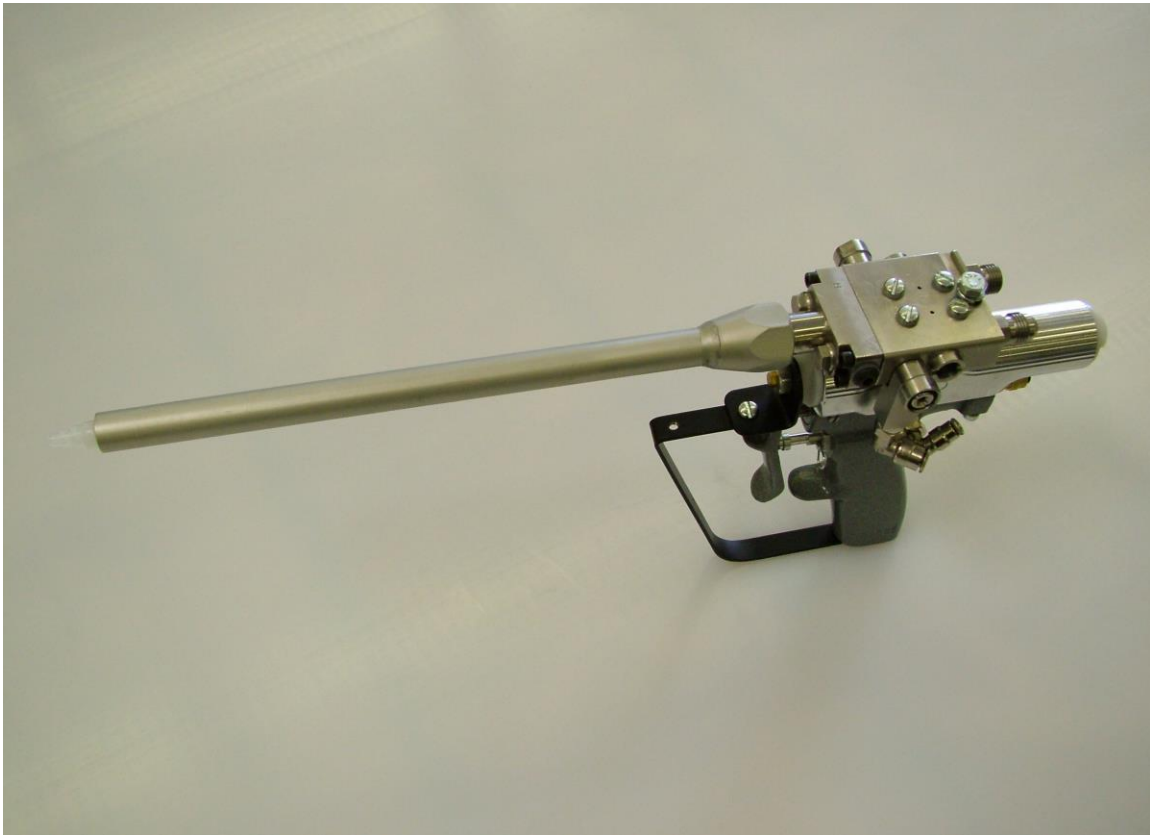


CPD / PRTM - 1:1 Pro Gun Manual



MagnumVenusProducts™

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MagnumVenusProducts™

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Terms & Conditions of Sale:

1. **ACCEPTANCE:** Acceptance of any purchase order from a customer or potential customer ("Buyer") is subject to credit approval by GSSC, Inc. ("Seller"), acceptance of the purchase order by Seller and, when applicable, any manufacturer, vendor, or other third party that provides goods to Seller for resale to Buyer ("Vendor"). If Seller, in its sole discretion, determines that Buyer's credit becomes unsatisfactory or it has reasonable grounds for insecurity, Seller reserves the right, upon notice to Buyer, to demand adequate assurance of due performance from Buyer and/or terminate any purchase order with no liability to Seller. BY REQUESTING A QUOTE FROM SELLER, ACCEPTING AN INVOICE FROM SELLER, OR PRESENTING A PURCHASE ORDER TO SELLER, BUYER CONFIRMS THAT THESE TERMS & CONDITIONS SHALL GOVERN ALL PURCHASES OF PRODUCTS OR MATERIALS PROVIDED TO BUYER BY SELLER ("GOODS"). GOODS SOLD BY SELLER ARE EXPRESSLY SUBJECT TO THE TERMS AND CONDITIONS SET FORTH HEREIN AND ANY DIFFERENT OR ADDITIONAL TERMS OR CONDITIONS SET FORTH IN A PURCHASE ORDER OR SIMILAR COMMUNICATION RECEIVED FROM BUYER ARE OBJECTED TO AND SHALL NOT BE BINDING UPON SELLER UNLESS SPECIFICALLY AGREED TO IN WRITING BY AN AUTHORIZED CORPORATE OFFICER OF SELLER. NO SELLER EMPLOYEE OR AGENT HAS THE AUTHORITY TO MODIFY THESE TERMS & CONDITIONS VERBALLY. SELLER OBJECTS TO AND REJECTS ANY TERMS BETWEEN BUYER AND ANY OTHER PARTY, AND NO SUCH TERMS, INCLUDING BUT NOT LIMITED TO ANY GOVERNMENT REGULATIONS OR "FLOWDOWN" TERMS, SHALL BE A PART OF OR INCORPORATED INTO ANY PURCHASE ORDER FROM BUYER TO SELLER, UNLESS AGREED TO IN WRITING BY AN AUTHORIZED REPRESENTATIVE OF SELLER.
2. **PRICES AND TAXES:** Buyer agrees to pay the prices quoted by Seller or listed on any related invoice, and is responsible for additional applicable shipping and handling charges, taxes, duties, and charges for import and export licenses and certificates. All prices quoted by Seller are subject to change without notice. Seller will generally collect applicable taxes along with the purchase price unless Buyer submits a valid tax exemption certificate, and indicates which Goods are covered by it. Prices on special-order Goods may be subject to change before shipment. In order to be corrected any discrepancies in pricing and/or quantities on invoices must be reported by Buyer within thirty (30) days of the invoice date.
3. **PAYMENT:** Payment terms are 30 days net from the invoice date or upon such other terms approved by Seller in writing. Retainage shall not apply, and Buyer shall not hold back any retainage from Seller, even if retainage is part of any contract between Buyer and any other party. Payment is not contingent on Buyer's ability to collect or obtain funds from any other party. Credit card sales are billed at the time of purchase. Buyer expressly represents it is solvent at the time it places any purchase order with Seller. Seller, in its sole discretion, may determine that Buyer's financial condition requires full or partial payment prior to manufacture or shipment. If Buyer fails to make any payment when due, Seller reserves the right to suspend performance. Buyer agrees to pay a charge on all amounts past due at the rate of 1 ½% per month (18% per year) or the maximum lawful rate, whichever is less. In the event of non-payment, Buyer agrees to pay Seller's reasonable attorney fees and court costs, if any, incurred by Seller to collect payment, and all applicable interest charges. **Seller may apply payments to any outstanding invoices unless Buyer provides specific payment direction.**
4. **TITLE AND RISK OF LOSS OR DAMAGE:** As to Goods delivered directly by Seller, title passes upon delivery at the place Buyer receives possession; and, thereafter, all risk of loss or damage shall be on Buyer. All other sales are F.O.B., point of shipment, and Buyer takes title and assumes responsibility for risk of loss or damage at the point of shipment for such sales. Claims for Goods damaged in transit are Buyer's sole responsibility when not delivered directly by Seller.
5. **QUOTATIONS:** All quotations expire thirty (30) days from the date of the quotation unless otherwise noted on the quotation. This time limit applies even if Buyer uses the quotation to submit a job or project bid to any other party.
6. **ASSIGNMENT:** The Buyer's rights and responsibilities under any purchase order or these Terms & Conditions shall not be assigned by Buyer without the express written consent of the Seller.
7. **RETURN OF GOODS:** Permission to return items must be requested and granted in advance. No credit will be given if items are returned prior to requesting and receiving permission. Subject to the foregoing, Seller shall accept returns of Goods for any reason for a period of thirty (30) days following shipment for exchange or refund of the purchase price; provided, that such Goods must be unused and are subject to a 15% restocking charge, which may be increased or decreased, in the Seller's sole discretion, depending on the reason for such return. Any Goods which were special ordered by Buyer are may not be returned, and any such Goods which are returned are subject to a restocking/cancellation fee of 100% of the cost of the Goods. Goods shall be deemed accepted by Buyer (and cannot thereafter be returned), if Buyer fails to object to the Goods within thirty (30) days after the Goods are received by Buyer.
8. **CANCELLATION:** The Buyer may cancel any purchase order prior to shipment of the Goods by mutual agreement of the parties and upon payment to Seller of reasonable and proper cancellation charges.
9. **TERMINATION:** Seller may terminate the whole or any part of any purchase order if there is a material breach of these Terms & Conditions. In the event of any such breach, the Seller will provide Buyer with written notice of the nature of the breach and the Seller's intention to terminate for default. In the event Buyer does not cure such failure within ten (10) days of such notice, Seller may, by written notice, terminate the purchase order; provided, that Buyer shall continue its performance to the extent not terminated.
10. **CHANGE IN BUYER'S FINANCIAL CONDITION:** Seller reserves the right to cancel any order or to require full or partial payment in advance without liability to Seller in the event of: (i) insolvency of the Buyer; (ii) the filing of voluntary petition in bankruptcy by Buyer; (iii) the appointment of a Receiver or Trustee for the Buyer; (iv) the execution by Buyer of an assignment for benefit of creditors; or (v) past due payment on previous shipments to Buyer by Seller. Seller reserves the right to cancel Buyers credit at any time for any reason.
11. **INTERPRETATION RESPONSIBILITY; PRODUCT USE AND SAFETY:** Seller does not guarantee that the Goods it sells conform to any plans and specifications or intended use. When plans and specifications are involved, Buyer is solely responsible for verifying Seller's interpretations of such plans and specifications, and it is Buyer's sole responsibility to assure that Seller's Goods will be acceptable for any specific job. When Seller offers substitute Goods on any proposal, Buyer is solely responsible for confirming their acceptability.
12. **DELIVERY:** Shipping dates given in advance of actual shipment are approximate and not guaranteed. All contract dates and timelines begin upon receipt by Seller of a purchase order, Buyer's acceptance of these Terms & Conditions, and the payment of any required down payment.



13. **EXCUSABLE DELAYS:** Seller shall have no liability if its performance is delayed or prevented by causes beyond its reasonable control, including, without limitation, acts of nature, labor disputes, government priorities, transportation delays, insolvency or other inability to perform by any Vendor, or any other commercial impracticability. In the event of any such delay, the date of delivery or performance shall be extended for a period equal to the time lost by reason of delay. If Goods are held or stored beyond the delivery date for the convenience of Buyer, such Goods shall be so stored at the risk and expense of Buyer.

14. **CLAIMS:** Claims for any nonconforming Goods must be made by Buyer, in writing, within ten (10) days of Buyer's receipt of such Goods and must state with particularity all material facts concerning the claim then known to Buyer. Failure by Buyer to give notice within such ten (10) day period shall constitute an unqualified acceptance of such Goods by Buyer, and a waiver of any right to reject or revoke acceptance of such Goods.

15. **WARRANTIES:**

(a) **SELLER'S WARRANTIES:** Seller warrants that all Goods sold shall mechanically operate as specified and shall be free from faults in respect to materials and workmanship for a period of: (i) for parts, twelve (12) months from the date of invoice, and (ii) for systems, twelve (12) months from start-up, or, if earlier, eighteen (18) months from the date of the bill of lading. Seller also warrants that the Goods shall, upon payment in full by Buyer for the Goods, be free and clear of any security interests or liens. Buyer's exclusive remedy for breach of such warranties shall be limited to repair or replacement costs or termination of any security interests or liens, and Seller shall have no responsibility for reimbursing repair costs incurred by Buyer in connection with Goods without first giving written authorization for such charges. In any claims by the Buyer against the Seller in respect of the Goods, the liability of the Seller shall be limited to the value of the Goods. This warranty applies only to Goods properly used and maintained and does not apply to any Goods which are misused, neglect or accident, or which has been installed, operated, repaired, altered or modified other than in accordance with instructions or written authorization by Seller. This warranty does not apply to any Goods not manufactured by Seller, and Buyer's sole warranty with respect to such Goods shall be that of the Seller's Vendor, if any.

(b) **VENDOR'S WARRANTIES:** Seller shall assign to Buyer any Vendor warranties and/or remedies provided to Seller by its Vendor.

(c) **INTELLECTUAL PROPERTY INFRINGEMENT:** SELLER DISCLAIMS ANY AND ALL WARRANTIES AND/OR INDEMNIFICATIONS AGAINST INFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHTS OF ANY NATURE. SELLER SHALL, IF GIVEN PROMPT NOTICE BY BUYER OF ANY CLAIM OF INTELLECTUAL PROPERTY INFRINGEMENT WITH RESPECT TO ANY GOODS SOLD HEREUNDER, REQUEST THE APPLICABLE VENDOR TO GRANT FOR THE BUYER SUCH WARRANTY OR INDEMNITY RIGHTS AS SUCH VENDOR MAY CUSTOMARILY GIVE WITH RESPECT TO SUCH GOODS.

(d) **LIMITATIONS:** THERE ARE NO OTHER WARRANTIES WRITTEN OR ORAL, EXPRESS, IMPLIED OR BY STATUTE. SELLER SPECIFICALLY DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO REPAIR OF GOODS OR OTHER COSTS ARE ASSUMED BY SELLER UNLESS AGREED TO, IN ADVANCE, IN WRITING.

16. **LIMITATIONS OF LIABILITY:** UNLESS APPLICABLE LAW OTHERWISE REQUIRES, SELLER'S AND ANY VENDOR'S TOTAL LIABILITY TO BUYER, BUYER'S CUSTOMERS OR TO ANY OTHER PERSON, RELATING TO ANY PURCHASES GOVERNED BY THESE TERMS & CONDITIONS, FROM THE USE OF THE GOODS FURNISHED OR FROM ANY ADVICE, INFORMATION OR ASSISTANCE PROVIDED BY SELLER (BY ANY METHOD, INCLUDING A WEB SITE), IS LIMITED TO THE PRICE OF THE GOODS GIVING RISE TO THE CLAIM. NEITHER SELLER NOR ITS VENDORS SHALL BE LIABLE FOR ANY SPECIAL, INCIDENTAL, DIRECT, CONSEQUENTIAL OR PENAL DAMAGES, INCLUDING, BUT NOT LIMITED TO BACKCHARGES, LABOR COSTS, COSTS OF REMOVAL, REPLACEMENT, TESTING OR INSTALLATION, LOSS OF EFFICIENCY, LOSS OF PROFITS OR REVENUES, LOSS OF USE OF THE GOODS OR ANY ASSOCIATED GOODS, DAMAGE TO ASSOCIATED GOODS, LATENESS OR DELAYS IN DELIVERY, UNAVAILABILITY OF GOODS, COST OF CAPITAL, COST OF SUBSTITUTE GOODS, FACILITIES OR SERVICES, DOWNTIME, OR CLAIMS FROM BUYER'S CUSTOMERS OR OTHER PARTIES. IF SELLER FURNISHES BUYER WITH ADVICE OR OTHER ASSISTANCE WHICH CONCERNS ANY GOODS SUPPLIED HEREUNDER, OR ANY SYSTEM OR EQUIPMENT IN WHICH ANY SUCH GOODS MAY BE INSTALLED, AND WHICH IS NOT REQUIRED PURSUANT TO THESE TERMS & CONDITIONS, THE FURNISHING OF SUCH ADVICE OR ASSISTANCE WILL NOT SUBJECT SELLER TO ANY LIABILITY, WHETHER BASED ON CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE) OR OTHER GROUNDS.

17. **BUYER'S USE OF GOODS:** Many factors beyond Seller's control contribute to the success of the Buyer's finished products, such as raw materials used to manufacture the products. Seller is not liability for the quality or quantity of finished products produced by Buyer with the use of the Goods.

18. **EXPORTS:** If Goods are sold for export, Seller's standard terms & condition for export sales, if any, shall also apply. Acceptance of export orders is not valid unless confirmed in writing by Seller. Buyer, and not Seller, is responsible for compliance with all United States export control rules and regulations. Buyer shall not name Seller as shipper or exporter of record in connection with the export of any Goods purchased from Seller.

19. **INSTALLATION:** Installation of the Goods is the responsibility of Buyer, unless otherwise indicated in the quotation or invoice provided to Buyer. Notwithstanding the foregoing, however, Seller will provide installation supervision personnel within thirty (30) days of Buyer's request. If an installation for which the Seller is to participate is delayed by the Buyer more than six (6) months after the date of shipment of the Goods, or if Buyer's facility, materials, or parts are not prepared for installation for such period of time, Seller shall be entitled to invoice the Buyer for the anticipated installation costs, up to \$1,250 per day plus expenses, for each of Seller's installations technicians which are on site.

20. **ANTI-MONEY LAUNDERING RESTRICTIONS:** Seller rejects questionable purchase orders and payments: Except for pre-approved credit arrangements, Seller rejects third-party payments, cashiers' checks, money orders and bank drafts. Seller accepts only checks imprinted with Buyer's name; wire transfers originated in Buyer's account; letters of credit with Buyer as account party; and credit or debit cards in Buyer's name. All payments must be by single instrument in the amount of the invoice, less credits, from banks acceptable to Seller.

21. **GOVERNING LAW:** These Terms & Conditions and all disputes related to it shall be governed by the laws of the State of Florida, United States of America, without giving effect to its conflict of law rules.

22. JURISDICTION AND VENUE: The parties hereby irrevocably submit to the jurisdiction of the state courts of the State of Florida and to the jurisdiction of the United States District Court for the Middle District of Florida, for the purpose of any suit, action, or other proceeding related to, arising out of or based upon these Terms & Conditions or in any way related to, arising out of or involving sale of Goods hereunder; waive and agree not to assert by way of motion, as a defense, or otherwise, in any such suit, action, or proceeding, any claim that it is not subject personally to the jurisdiction of the above-named courts, that its property is exempt or immune from attachment or execution, that the suit, action, or proceeding is brought in any inconvenient forum, that the venue of the suit, action, or proceeding is improper, or that these Terms & Conditions or the subject matter hereof may not be enforced in or by such court; and waive and agree not to seek any review by any court of any other jurisdiction which may be called upon to grant an enforcement of the judgment of any such Florida state or federal court. The parties hereby consent to service of process by registered mail at the address to which notice is to be given. The exclusive venue for any proceeding under these Terms & Conditions shall be solely in any state court in Pinellas County, Florida, or the Federal District Court for the Middle District of Florida, Tampa Division, sitting in Tampa, Florida. Buyer acknowledges that the prices for Goods offered hereunder are in part dependent on Buyer's consent to jurisdiction in Florida and exclusive venue in Pinellas County, Florida or the Federal District Court for the Middle District of Florida, Tampa Division, sitting in Tampa, Florida, and without Buyer's consent to this jurisdiction and venue provision the prices for the Goods may be higher.

23. GENERAL: Any representation, affirmation of fact and course of dealing, promise or condition in connection therewith or usage of trade not contained herein, shall not be binding on either party. If any provision hereof shall be unenforceable, invalid or void for any reason, such provision shall be automatically voided and shall not be part of these Terms & Conditions and the enforceability or validity of the remaining provisions of these Terms & Conditions shall not be affected thereby.

TO THE EXTENT NOT CONTRARY TO APPLICABLE LAW, THE FOLLOWING SHALL APPLY:

24. Buyer waives any available homestead exemption as well as any and all requirements or rights with regard to notice, demand, presentment, or protest and appoint any employee or attorney of Seller to appear in any court of competent jurisdiction for the purpose of confessing judgment for all amounts due Seller pursuant to these terms and conditions.

25. Buyer hereby waives all rights to notice, judicial hearing or prior court order in connection with Seller's obtaining any prejudgment remedy in connection with said transactions or extensions of same. Buyer also waives any and all objection which Buyer might otherwise be able to assert now or in the future to the exercise or use by Seller of any right of setoff, repossession or self-help as may presently exist under statute, including the Uniform Commercial Code and common law.

IMPORTANT NOTICE: THIS INSTRUMENT PERMITS SELLER TO OBTAIN AND USE YOUR INDIVIDUAL CREDIT HISTORY FOR CREDIT EVALUATION PURPOSES. THIS INSTRUMENT FURTHER CONTAINS A CONFESSION OF JUDGMENT PROVISION AND OTHER WAIVERS, WHICH CONSTITUTES A WAIVER OF IMPORTANT RIGHTS YOU MAY HAVE, AND IF YOU DO NOT PAY ON TIME, ALLOWS SELLER TO OBTAIN A JUDGMENT AGAINST YOU WITHOUT FURTHER NOTICE OR YOUR PRIOR KNOWLEDGE. BY ACCEPTING THESE TERMS YOU GIVE UP YOUR RIGHT TO NOTICE AND TRIAL. THE POWERS OF THE COURT CAN BE USED TO COLLECT THE AMOUNT DUE REGARDLESS OF ANY CLAIMS YOU MAY HAVE WHETHER FOR RETURNED OR FAULTY GOODS, FAILURE BY SELLER TO COMPLY WITH THESE TERMS & CONDITIONS, OR ANY OTHER CAUSE.



SAFETY & WARNING INFORMATION:

OPERATING YOUR POLYESTER SYSTEM SAFELY



1. Introduction

Any tool, if used improperly, can be dangerous. Safety is ultimately the responsibility of those using the tool. In like manner, safe operation of polyester processes is the responsibility of those who use such processes and those who operate the equipment. This manual outlines procedures to be followed in conducting polyester operations safely. This system has been specifically designed for use of Polyester Resin, Gel-Coat, and Methyl Ethyl Ketone Peroxides (MEKP) applications. Other formulations or blends considered for use in this equipment is strictly prohibited without the expressed consent by Magnum Venus Products Inc. Magnum Venus Products cannot eliminate every danger nor foresee every circumstance that might cause an injury during equipment operation. Some risks, such as the high pressure liquid stream that exits the spray tip, are inherent to the nature of the machine operation and are necessary to the process in order to manufacture the end-product. For this reason, ALL personnel involved in polyester operations should read and understand the Safety Manual. It is very important for the safety of employees involved in the operation that equipment operators, maintenance and supervisory personnel understand the requirements for safe operation. Each user should examine his own operation, develop his own safety program and be assured that his equipment operators follow correct procedures. Magnum Venus Products hopes that this manual is helpful to the user and recommends that the precautions in this manual be included in any such program. Magnum Venus Products recommends this Safety Manual remain on your equipment at all times for your personnel safety. In addition to the manual, Magnum Venus Products recommends that the user consult the regulations established under the Occupational Safety & Health Act (OSHA), particularly the following sections:

1910.94 Pertaining to Ventilation.

1910.106 Pertaining to flammable liquids

1910.107 Pertaining to spray finishing operations, particularly Paragraph (m) Organic Peroxides and Dual Component Coatings.

Other standards and recognized authorities to consult are the National Fire Protection Association (NFPA) bulletins as follows:

NFPA No.33 Chapter 14, Organic Peroxides and Dual Component Materials

NFPA No.63 Dust Explosion Prevention

NFPA No.70 National Electrical Code

NFPA No.77 Static Electricity

NFPA No.91 Blower and Exhaust System

NFPA No.654 Plastics Industry Dust Hazards



Type of Fire Extinguishing equipment recommended: Fire Extinguisher – code ABC, rating number 4a60bc.

Extinguishing Media – Foam, Carbon Dioxide, Dry Chemical, Water Fog.

Copies of the above bulletins are available, at a nominal charge from:

National Fire Protection Association
470 Atlantic Avenue
Boston, MA 02210



Research Report No.11 of the American Insurance Association deal with “Fire, Explosion and Health Hazards of Organic Peroxides”. It is published by:

American Insurance Association
85 John Street
New York, NY 10038

Local codes and authorities also have standards to be followed in the operation of your spraying equipment. Your insurance carrier will be helpful in answering questions that arise in your development of safe procedures.

1.2 Personal Safety Equipment

Magnum Venus Products recommends the following Personal Safety Equipment for conducting safe operations of the Polyester Systems:

Magnum Venus Products recommends that the user consult the state and local regulations established for all Safety equipment listed.

2.0 Material Safety

2.1 Hazards Associated with Laminating Operations

The major hazards which should be guarded against in polyester laminating operations are those associated with:

1. The flammability and explosion dangers of the catalyst normally used – Methyl Ethyl Ketone Peroxide (MEKP).
2. The flammability dangers of clean-up solvents sometimes used (Magnum Venus Products recommends that clean-up solvents be non-flammable), and of resin diluents used, such as styrene.
3. The flammability dangers of catalyst diluents, if used. (Magnum Venus Products recommends that catalyst not be diluted.
4. The flammability dangers of the uncured liquid resins used.
5. The combustibility dangers of the cured laminate, accumulations of over spray, and laminate sandings.
6. The toxicity dangers of all the chemicals used in laminating operations with respect to ingestion, inhalation and skin and eye hazards.

2.2 Catalyst (Methyl Ethyl Ketone Peroxide)

MEKP is among the more hazardous materials found in commercial channels. The safe handling of the “unstable (reactive)” chemicals presents a definite challenge to the plastics industry. The highly reactive property which makes MEKP valuable to the plastics industry in producing the curing reaction of polyester resins also produces the hazards which require great care and caution in its storage, transportation, handling, processing and disposal. MEKP is a single chemical. Various polymeric forms may exist which are more or less hazardous with respect to each other. These differences may arise not only from different molecular structures (all are, nevertheless, called “MEKP”) and from possible trace impurities left from the manufacture of the chemicals, but may also arise by contamination of MEKP with other materials in its storage or use. Even a small amount of contamination with acetone, for instance, may produce an extremely shock-sensitive and explosive compound.

Contamination with promoters or materials containing promoters, such as laminate sandings, or with any readily oxidizing material, such as brass or iron, will cause exothermic “redox” reactions which can become explosive in nature. Heat applied to MEKP, or heat build-up from contamination reactions can cause it to reach what is called its Self-Accelerating Decomposition Temperature (SADT).



Researchers have reported measuring pressure rates-of-rise well in excess of 100,000 psi per second when certain MEKP's reach their SADT. (For comparison, the highest pressure rate-of-rise listed in NFPA Bulletin NO.68, “Explosion Venting”, is 12,000 psi per second for an explosion of 12% acetylene and air. The maximum value listed for a hydrogen explosion is 10,000 psi per second. Some forms of MEKP, if allowed to reach their SADT, will burst even an open topped container. This suggests that it is not possible to design a relief valve to vent this order of magnitude of pressure rate-of-rise. The user should be aware that any closed container, be it a pressure vessel, surge chamber, or pressure accumulator, could explode under certain conditions. There is no engineering substitute for care by the user in handling organic peroxide catalysts. If, at any time, the pressure relieve valve on top of the catalyst tank should vent, the area should be evacuated at once and the fire department called. The venting could be the first indication of a heat, and therefore, pressure build-up that could eventually lead to an explosion. Moreover, if a catalyst tank is sufficiently full when the pressure relief valve vents, some catalyst may spray out, which could cause eye injury. For this reason, and many others, anyone whose job puts them in an area where this vented spray might go, should always wear full eye protection even when laminating operations are not taking place.

Safety in handling MEKP depends to a great extent on employee education, proper safety instructions and safe use of the chemicals and equipment. Workers should be thoroughly informed of the hazards that may result from improper handling of MEKP, especially in regards to contamination, heat, friction and impact. They should be thoroughly instructed regarding the proper action to be taken in the storage, use and disposal of MEKP and other hazardous materials used in the laminating operation. In addition, users should make every effort to:

- A. Store MEKP in a cool, dry place in original containers away from direct sunlight and away from other chemicals.
- B. Keep MEKP away from heat, sparks and open flames.

- C. Prevent contamination of MEKP with other materials, including polyester over spray and sandings, polymerization accelerators and promoters, brass, aluminum and non-stainless steels.
- D. Never add MEKP to anything that is hot, since explosive decomposition may result.
- E. Avoid contact with skin, eyes and clothing. Protective equipment should be worn at all times. During clean-up of spilled MEKP, personal safety equipment, gloves and eye protection must be worn. Firefighting equipment should be at hand and ready.
- F. Avoid spillage, which can heat up to the point of self-ignition.
- G. Repair any leaks discovered in the catalyst system immediately, and clean up the leaked catalyst at once in accordance with the catalyst manufacturer's instructions.
- H. Use only original equipment or equivalent parts from Magnum Venus Products in the catalyst system (i.e.: hoses, fitting, etc.) because a dangerous chemical reaction may result between substituted parts and MEKP.
- I. Catalyst accumulated from the purging of hoses or the measurement of fluid output deliveries should never be returned to the supply tank, such catalyst should be diluted with copious quantities of clean water and disposed of in accordance with the catalyst manufacturer's instructions.

The extent to which the user is successful in accomplishing these ends and any additional recommendations by the catalyst manufacturer determines largely the safety that will be present in his operation.

2.3 Clean-Up Solvents and Resin Diluents

WARNING

A hazardous situation may be present in your pressurized fluid system! Hydrocarbon Solvents can cause an explosion when used with aluminum or galvanized components in a closed (pressurized) fluid system (pump, heaters, filters, valves, spray guns, tanks, etc.). The explosion could cause serious injury, death and/or substantial property damage. Cleaning agents, coatings, paints, etc. may contain Halogenated Hydrocarbon Solvents. Some Magnum Venus Products spray equipment includes aluminum or galvanized components and will be affected by Halogenated Hydrocarbon Solvents.



- A. There are three key elements to the Halogenated Hydrocarbon (HHC) solvent hazard.
 - a. The presence of HHC solvents. 1,1,1 – Trichloroethane and Methylene Chloride are the most common of these solvents. However, other HHC solvents are suspect if used; either as part of paint or adhesives formulation, or for clean-up flushing. b. Aluminum or Galvanized Parts. Most handling equipment contains these elements. In contact with these metals, HHC solvents could generate a corrosive reaction of a catalytic nature.
 - b. Equipment capable of withstanding pressure. When HHC solvent contacts aluminum or galvanized parts inside a closed container such as a pump, spray gun, or fluid handling system, the chemical reaction can, over time, result in a build-up of heat and pressure, which can reach explosive proportions.



When all three elements are present, the result can be an extremely violent explosion. The reaction can be sustained with very little aluminum or galvanized metal; any amount of aluminum is too much.

A. The reaction is unpredictable. Prior use of an HHC solvent without incident (corrosion or explosion) does NOT mean that such use is safe. These solvents can be dangerous alone (as a clean-up or flushing agent) or when used as a component or a coating material. There is no known inhibitor that is effective under all circumstances. Furthermore, the mixing of HHC solvents with other materials or solvents, such as MEKP, alcohol, and toluene, may render the inhibitors ineffective.

B. The use of reclaimed solvents is particularly hazardous. Reclaimers may not add any inhibitors. Also, the possible presence of water in reclaimed solvents could feed the reaction.

C. Anodized or other oxide coatings cannot be relied upon to prevent the explosive reaction. Such coatings can be worn, cracked, scratched, or too thin to prevent contact. There is no known way to make oxide coatings or to employ aluminum alloys, which will safely prevent the chemical reaction under all circumstances.

D. Several solvent suppliers have recently begun promoting HHC solvents for use in coating systems. The increasing use of HHC solvents is increasing the risk. Because of their exemption from many State Implementation Plans as Volatile Organic Compounds

(VOC's), their low flammability hazard, and their not being classified as toxic or carcinogenic substances, HHC solvents are very desirable in many respects.

WARNING: Do not use Halogenated Hydrocarbon solvents in pressurized fluid systems having aluminum or galvanized wetted parts.



NOTE: Magnum Venus Products is aware of NO stabilizers available to prevent Halogenated Hydrocarbon solvents from reaction under all conditions with aluminum components in closed fluid system. TAKE IMMEDIATE ACTION... Halogenated Hydrocarbon solvents are dangerous when used with aluminum components in a closed fluid system.

A. Consult your material supplier to determine whether your solvent or coating contains Halogenated Hydrocarbon Solvents.

B. Magnum Venus Products recommends that you contact your solvent supplier regarding the best non-flammable clean-up solvent with the heat toxicity for your application.

C. If, however, you find it necessary to use flammable solvents, they must be kept in approved, electrically grounded containers.

D. Bulk solvent should be stored in a well-ventilated, separate building, 50 feet away from your main plant.

E. You should allow only enough solvent for one day's use in your laminating area.

F. "NO SMOKING" signs must be posted and observed in all areas of storage or where solvents and other flammable materials are used.

G. Adequate ventilation (as covered in OSHA Section 1910.94 and NFPA No.91) is important wherever solvents are stored or used, to minimize, confine and exhaust the solvent vapors.

H. Solvents should be handled in accordance with OSHA Section 1910.106 and 1910.107.

2.4 Catalyst Diluents

Magnum Venus Products spray-up and gel-coat systems currently produced are designed so that catalyst diluents are not required. Magnum Venus Products, therefore, recommends that diluents not be used. This avoids the possible contamination which could lead to an explosion due to the handling and mixing of MEKP and diluents. In addition, it eliminates any problems from the diluents being contaminated through rust particles in drums, poor quality control on the part of the diluents suppliers, or any other reason. If, however, diluents are absolutely required, contact your catalyst supplier and follow his instructions explicitly. Preferable, the supplier should premix the catalyst to prevent possible "on the job" contamination while mixing.

WARNING

If diluents are not used, it should be remembered that catalyst spillage, gun, hose and packing leaks are potentially more hazardous, since each drop contains a higher concentration of catalyst, and therefore will react quicker with over spray and the leak.

2.5 Cured Laminate, Overspray and Laminate Sandings Accumulation

A. Remove all accumulations of overspray, FRP sandings, etc. from the building as they occur. If this waste is allowed to build up, spillage of catalyst is more likely to start a fire; in addition, the fire would burn hotter and longer.

B. Floor coverings, if used, should be non-combustible.

C. Spilled or leaked catalyst may cause a fire if it comes in contact with an FRP product, oversprayed chop or resin, FRP sandings or any other material with MEKP.

To prevent this spillage and leakage, you should:

1. Maintain your Magnum Venus Products System. Check the gun several times daily for catalyst and resin packing or valve leaks. **REPAIR ALL LEAKS IMMEDIATELY.**
2. Never leave the gun hanging over, or lying inside the mold. A catalyst leak in this situation would certainly damage the part, possibly the mold, and may cause a fire.
3. Inspect resin and catalyst hoses daily for wear or stress at the entry and exits of the boom sections and at the hose and fittings. Replace if wear or weakness is evident or suspected.
4. Arrange the hoses and fiberglass roving guides so that the fiberglass strands **DO NOT** rub against any of the hoses at any point. If allowed to rub, the hose will be cut through, causing a hazardous leakage of material which could increase the danger of fire. Also, the material may spew onto personnel in the area.

2.7 Toxicity of Chemicals

- A. Magnum Venus Products recommends that you consult OSHA Sections 1910.94, 1910.106, 1910.107 and NFPA No.33, Chapter 14, and NFPA No.91.
- B. Contact your chemical supplier(s) and determine the toxicity of the various chemicals used as well as the best methods to prevent injury, irritation and danger to personnel.
- C. Also determine the best methods of first aid treatment for each chemical used in your plant.

2.8 Treatment of Chemical Injuries

Great care should be used in handling the chemicals (resins, catalyst and solvents) used in polyester systems. Such chemicals should be treated as if they hurt your skin and eyes and as if they are poison to your body. For this reason, Magnum Venus Products recommends the use of protective clothing and eye wear in using polyester systems. However, users should be prepared in the event of such an injury. Precautions include:

1. Know precisely what chemicals you are using and obtain information from your chemical supplier on what to do in the event the chemical gets onto your skin or into the eyes, or is swallowed.
2. Keep this information together and easily available so that it may be used by those administering first aid or treating the injured person.
3. Be sure the information from your chemical supplier includes instructions on how to treat any toxic effects the chemicals have.

WARNING

Contact your doctor immediately in the event of any injury and give him the information you have collected. If your information includes first aid instructions, administer first aid immediately while you are contacting your doctor.



Fast treatment of the outer skin and eyes that contact such chemicals generally includes immediate and thorough washing of the exposed skin and immediate and continuous flushing of the eyes with lots of clean water for at least 15 minutes or more. These general instructions of first aid treatment, however, may be incorrect for some chemicals; that is why you must know the chemicals and treatment before an accident occurs. Treatment for swallowing a chemical frequently depends upon the nature of the chemical.

NOTE: Refer to your System User Manual for complete and detailed operating instructions and service information.

3.0 Equipment Safety

WARNING

Magnum Venus Products suggests that personal safety equipment such as EYE GOGGLES, GLOVES, EAR PROTECTION, and RESPIRATORS be worn when servicing or operating this equipment. Ear protection should be worn when operating a fiberglass chopper to protect against hearing loss since noise levels can be as high as 116 dB (decibels). This equipment should only be operated or serviced by technically trained personnel!



WARNING

Never place fingers, hands, or any body part near or directly in front of the spray gun fluid tip. The force of the liquid as it exits the spray tip can cause serious injury by shooting liquid through the skin. NEVER LOOK DIRECTLY INTO THE GUN SPRAY TIP OR POINT THE GUN AT OR NEAR ANOTHER PERSON. (TREAT THE GUN AS IF IT WERE A LOADED PISTOL.)

3.1 Emergency Stop Procedures

The following steps should be followed in order to stop the machinery in an emergency situation

1. The ball valve located where the air enters the power head of the resin pump, should be moved to the "OFF" or closed position. To do this, simply rotate the lever on the ball valve 90 degrees. Doing this will cause all the system air to bleed out of the system in a matter of a few seconds, making the system incapable of operating

NOTE: *Step 2 is a precautionary step and should be followed whenever the above mentioned ball valve is activated to the stop mode. Failure to do so, can damage the regulators and components on reactivating to the "ON" position.*

2. Turn all system regulators to the "OFF" position (counter-clockwise) position

NOTE: *Verify that the Catalyst relief line, located on the catalyst manifold, and the resin return line, located on the resin filter, are secured relieving catalyst and resin fluid pressure.*

3. Catalyst pressure in the catalyst pump can be eliminated by rotating the ball valve on the catalyst manifold 90 degrees to the "open" or "on" position.

Note: *The "open" or "on" position is when the ball valve handle is parallel (in line) with the ball valve body. The "closed" or "off" position is when the ball valve handle is perpendicular (across) the ball valve body.*

4. Resin pressure in the resin pump can be eliminated by rotating the ball valve on the resin filter 90 degrees to the "open" or "on" position. Place a container under the ball valve to catch any resin that is ejected out of the valve.

3.2 Grounding

Grounding an object means providing an adequate path for the flow of the electrical charge from the object to the ground. An adequate path is one that permits charge to flow from the object fast enough that it will not accumulate to the extent that a spark can be formed. It is not possible to define exactly what will be an adequate path under all conditions since it depends on many variables. In any event, the grounding means should have the lowest possible electrical resistance. Grounding straps should be installed on all loose conductive objects in the spraying area. This includes material containers and equipment. Magnum Venus Products recommends grounding straps be made of AWG No.18 stranded wire as a minimum and the larger wire be used where possible. NFPA Bulletin No77 states that the electrical resistance of such a leakage path may be as low as 1 meg ohm (10 ohms) but that resistance as high as 10,000 meg ohms will produce an adequate leakage path in some cases. Whenever flammable or combustible liquids are transferred from one container to another, or from one container to the equipment, both containers or container and equipment shall be effectively bonded and grounded to dissipate static electricity. For further information, see **National Fire Protection Association** (NFPA) 77, titled "Recommended Practice on Static Electrical". Refer especially to section 7-7 titled "Spray Application of Flammable and Combustible Materials". Check with local codes and authorities for other specific standards that might apply to your application. NEVER USE HARD MATERIALS SUCH AS WIRE, PINS, ETC., TO CLEAR A PLUGGED GUN. HARD MATERIALS CAN CAUSE PERMANENT DAMAGE. DAB WITH A BRISTLE BRUSH, BLOW BACKWARDS WITH AIR UNTIL CLEAR WHILE WEARING A PROTECTIVE EYE SHIELD. REPEAT AS MANY TIMES AS NECESSARY. DO NOT PERFORM ANY MAINTENANCE OR REPAIRS UNTIL YOU HAVE FOLLOWED THE PRECAUTIONS STATED ABOVE. IF YOU, AS AN EQUIPMENT OPERATOR OR SUPERVISOR, DO NOT FEEL THAT YOU HAVE BEEN ADEQUATELY TRAINED OR INSTRUCTED AND THAT YOU LACK THE TECHNICAL KNOWLEDGE TO OPERATE OR PERFORM MAINTENANCE ON A PIECE OF MAGNUM VENUS PRODUCTS EQUIPMENT, PLEASE CALL MAGNUM VENUS PRODUCTS BEFORE OPERATING OR PERFORMING MAINTENANCE ON THE EQUIPMENT. IF YOU HAVE ANY QUESTIONS REGARDING THE ABOVE PRECAUTIONS OR ANY SERVICE OR OPERATION PRECEDURES, CALL YOUR MAGNUM VENUS PRODUCTS DISTRIBUTOR OR MAGNUM VENUS PRODUCTS.

NOTICE: All statements, information and data given herein are believed to be accurate and reliable but are presented without guaranty, warranty or responsibility of any kind express or implied. The user should not assume that all safety measures are indicated or that other measures are not required.

DANGER: Contaminated catalyst may cause Fire or Explosion. Before working on the catalyst pump or catalyst accumulator, wash hands and tools thoroughly. Be sure work area is free of dirt, grease or resin. Clean catalyst system components with clean water only.

DANGER: Eye, skin and respiration hazard. The Catalyst, MEKP, may cause blindness, skin irritation or breathing difficulty. Keep hands away from face. Keep food and drink away from work area.

WARNING: Please refer to your catalyst manufacturer's safety information regarding the safe handling and storage of catalyst. Wear appropriate safety equipment as recommended.



Introduction:

The Pro Gun is an air trigger gun; meaning when the trigger is pulled an air cylinder pushes on the actuator stem and rotates the gun block into the on position. The Pro Gun works very similar to a dual ball valve in that the valve rod rotates and the catalyst and resin holes line up with the ports in the gun block allowing material to flow. The actuator is an air cylinder and as the piston moves back and forth it rotates the valve rod 90 degrees to the ON or OFF position.

Generally, the Pro Gun™ will not need to be completely disassembled for daily cleaning. However, the entire gun should be disassembled and the o-rings and seals replaced approximately every six months to a year depending on use and material being used.

Disassembling the Pro Gun™ is easy; the gun breaks down into four separate modules which are then disassembled further into their individual parts. A special tool kit, which includes a specially designed Pro Gun™ tool, is available to aid in performing maintenance and repair.

Note: The subtle differences between the Pro Gun™ used for chopping, gel coating and pour applications are noted at appropriate places in this manual.



During Disassembly:

As you disassemble the equipment, lay out the components on a clean surface in the correct order and direction. This will help you to reassemble them.

This manual covers the following 1:1 Pro Gun Assemblies, Components & Repair Kits:

CPD-4000	1:1 Pro Gun Assembly - Spray
CPD-4000-A	Auto 1:1 Pro Gun Assembly
PRTM-RG-1000-A	Pro Innovator Automatic Recirculation Gun
CPD-4000-A-INV	Innovator Automatic Recirculation Gun
CPD-5000	1:1 Pro Gun Assembly – Disposable Mixer
CPD-5000-A	Auto 1:1 Pro Gun Assembly – Disposable Mixer
CPD-5000-SILO	1:1 Pro Gun Assembly – Silicone
CPD-5000-SNZ	1:1 Pro Gun Assembly – Spatter Nozzle
CPD-6000	1:1 Pro Gun Assembly – Disposable Mixer – Solvent / Air Purge
CPD-6000-A	Auto 1:1 Pro Gun Assy – Disposable Mixer – Solvent / Air Purge
CPC-1200-A	Pro Gun Actuator Assembly - Automatic
CPD-4100-A	Auto 1:1 Pro Gun Block Assembly
CPD-5100	1:1 Pro Gun Block Assembly – Disposable Mixer
CPD-5100-A	Auto 1:1 Pro Gun Block Assembly
CPD-5100-SILO	Auto 1:1 Pro Gun Block Assembly – Silicone
CPD-5100-SNZ	Auto 1:1 Pro Gun Block Assembly – Spatter Nozzle
CPD-5200-SILO	Auto Pro Gun Actuator Assembly
CPD-6100	Auto 1:1 Pro Gun Block Assembly – Disposable Mixer
CPD-6300	Classic Pro Gun Handle – 1:1 Adhesive
58603-1	Classic Pro Gun Handle
58604-1	Pro Gun Actuator Assembly
58751-1	1:1 Pro Gun Block Assembly
58761-1	1:1 Pro Gun Block Assembly – BPO
58742-1	Automatic Flush Valve Assembly
58742-1-INT	Automatic Flush Valve Assembly – International
PRTM-RG-1100	Recirculation Gun Block
PRTM-RG-1200-A	Actuator Assembly
CPD-4000-A-INV-RK	Repair Kit Auto 1:1 Pro Gun Assembly – Innovator
CPD-4000-A-RK	Repair Kit Auto 1:1 Pro Gun Assembly
CPD-4000-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-5000-A-RK	Repair Kit Auto 1:1 Pro Gun Assembly
CPD-5000-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-5000-SILO-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-5000-SNZ-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-6000-A-RK	Repair Kit Auto 1:1 Pro Gun Assembly
CPD-6000-RK	Repair Kit 1:1 Pro Gun Assembly
58744-1	Repair Kit 1:1 Pro Gun Block Assembly
58744-1-INT	Repair Kit 1:1 Pro Gun Block Assembly - International



Tools required

You will need the following tools:

- Rubber mallet
- Removable Thread Lock Compound
- Adjustable wrench
- Needle-nose pliers
- Flat-end screwdriver
- Lubriplate™ lubricant (08465)
- Scribe set (08126)
- Pro Gun™ Oil (04394)
- Turbulent Mixer Puller (6705-2-1)
- Seal Installation tool (58661-1)
- Alignment tool for resin seals (58663-1)
- Pro Gun™ screwdriver (9301-3-2) and packing bit (6705-1-1)

You should also have appropriate cleaning materials such as solvent, clean shop towels or rags, a small brush, and empty containers into which you will flush the gun.

Also, you will need the appropriate Seal kit for the gun you have and other items that may need to be replaced the current ones in the Pro Gun™. Please refer to the parts drawings to obtain proper parts numbers for the o-rings and seals to be replaced.

Note: If you are using o-ring part number 01128 in the gun block, you do not need to replace the o-ring unless it is showing obvious signs of wear. This o-ring is specially designed to handle most solvents.

DANGER: To prevent accidental injection injury, disconnect all air and electrical power to the unit before beginning repair or maintenance on this equipment.

Release System Pressure

1. Properly Flush and remove the mixer and nozzle from the front of the gun.
2. Turn OFF air supply to pumping system (pump pressure to zero).
3. Release fluid pressure from lines by holding the gun over an appropriate empty container and pulling the trigger.
4. Flush gun into appropriate container
5. Turn OFF air supply to the solvent tank.
6. Release any pressure in the flush tank by gently pulling upwards on the ring attached to the pressure relief valve.
7. Place an empty container under the ball valve located at the bottom of the filter assembly.
8. SLOWLY open the ball valve, you can leave the ball valve open or close it when all the pressure has been released.



Gun Disassembly:

WARNING: To prevent injury, be sure all air is disconnected from the gun and that all pressure has been relieved before attempting to remove trigger guard.

Note: The bolt that secures the trigger guard to the air cylinder also serves as a plug for the end cap. Removing this bolt can result in injury from escaping pressurized air if air pressure is not relieved.

Note: The automatic versions of the Pro Gun do not have a handle; instead have a mounting plate attached to the bottom of the actuator.

1. Check to be sure all air is disconnected from the gun
2. Be sure all pressure is relieved from the gun.
3. Disconnect the trigger guard by using a wrench to remove the nut securing the top of the trigger guard to the end cap on the gun's actuating cylinder.

Disassemble Gun into Modules

Note: If your Pro Gun™ is used for chopping, perform the two steps, A and B:

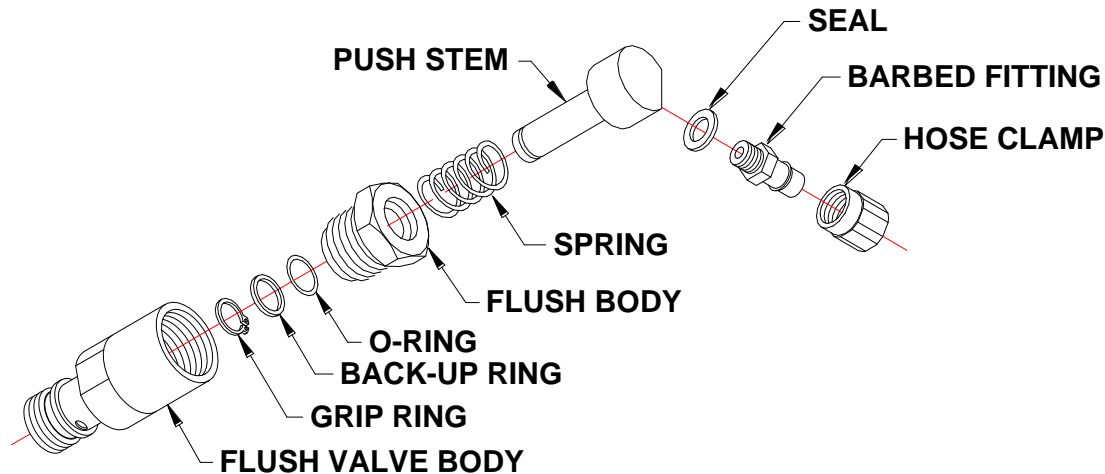
- A. Detach the chopper assembly by removing the air tube that connects the chopper to the gun handle.
 - B. Remove the hex cap screw securing the chopper to the top of the gun block. Use caution not to lose the eccentric stud in the chopper mount.
1. Remove the four screws that secure the gun block to the actuator. Set gun block aside for now
 2. Remove the two mounting screws which secure the handle to the actuator. For the automatic version remove the Mounting plate (58704-1).
 3. You have now disassembled the gun into modules. Next you will disassemble, clean, and reassemble each module.



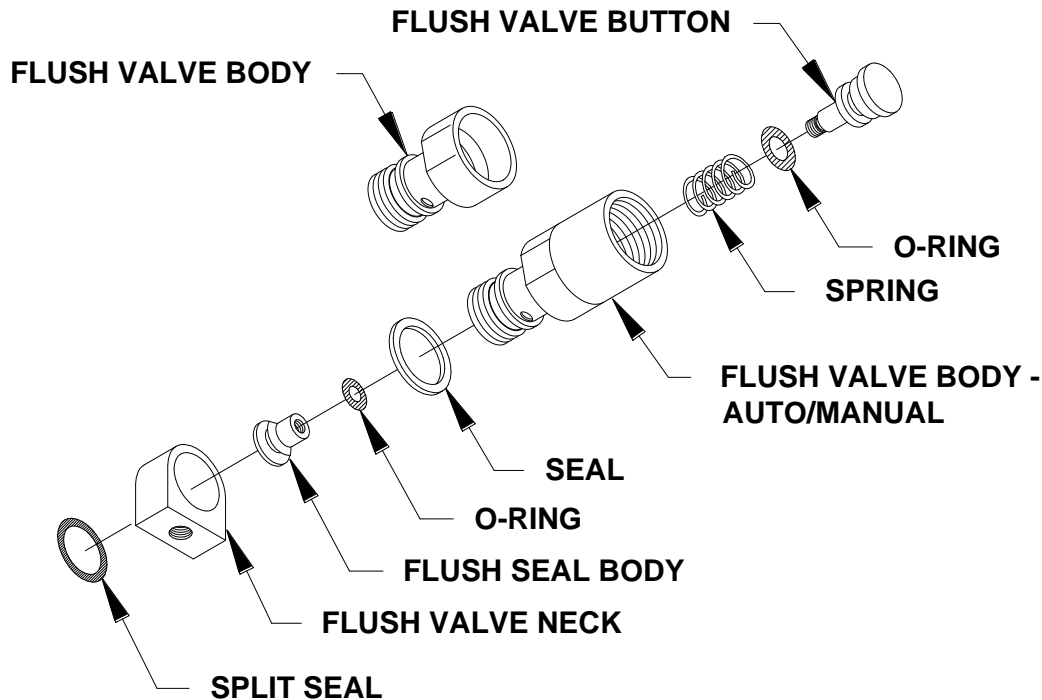
Remove & Disassemble Flush Valve Assembly

1. Unscrew the flush valve body from the gun block.
2. Remove the split seal from the flush valve body.
3. Remove the flush valve body from the flush valve neck.
4. Remove the flush valve seal from the flush valve body.

Note: For systems without Auto/Manual flush assemblies skip steps 5 - 7



5. Unscrew the auto/manual flush body assembly from the flush valve body.
6. Remove the grip ring from the push stem of the auto/manual flush body assembly. Use caution not to lose the spring in the flush body.
7. Remove the back-up ring and o-ring from the push stem.
8. Unscrew the flush seal body (5104-23-1) from the flush valve button (5104-25-01).
9. Remove the spring (9203-2-3).



10. Use a scribe to remove the o-ring (O-K-008) from the flush valve button.
11. Remove the o-ring (O-A-007) from the flush seal body (5104-23-1).
12. Set parts aside for now or go down to flush valve assembly
13. Discard and replace the flush valve's o-rings and seals, after reading the note below.

Note: Do not replace o-ring (O-K-008) unless it is worn or damaged. This o-ring is designed for use with all solvents. In some cases O-K-008 o-ring can be replaced with the more economical o-ring (O-E-008).

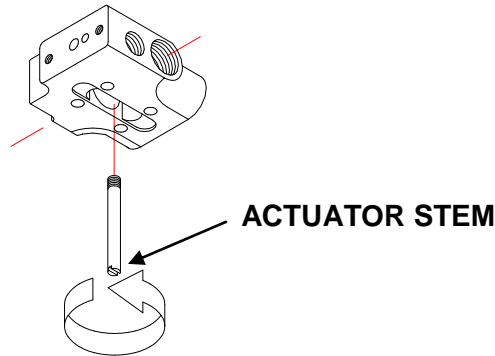
Remove Actuating Stem

1. Unscrew the actuating stem from the valve rod. Tightly clamp the actuating stem into a soft jawed vise and rotate the whole gun block.

Note: The screw driver slot in the end of the actuating stem should not be used for removal as if it becomes damaged the stem will not fit into the actuator bushing. Make sure the actuating stem is smooth or it will wear out the actuator bushing.

Remove Mix Housing

1. Remove the Nozzle cap or Mixer assembly from the Mix housing.
2. Use the turbulent mixer puller to remove the turbulent mixer by inserting the puller and giving a slight twist. (if applicable to this unit)



3. Remove the Plugs (58696-1) and Seals (58695-1) from the Mix housing.
4. Remove the Springs (04319) and Balls (03199) from the Mix housing.
5. Remove the Plugs (7102-5-6) and Seals (02441-1) on the side of the mix chamber.
6. Remove the four Screws (02959-5) from the Mix housing (58692-3) and remove the Mix housing (58692-3) from the gun block.
7. Remove the Face Seals (58694-1)
8. Inspect and clean the Mix housing

NOTE: Putty systems using BPO do not use 04319 (spring) and 03199 (ball) on the putty side of the gun block.

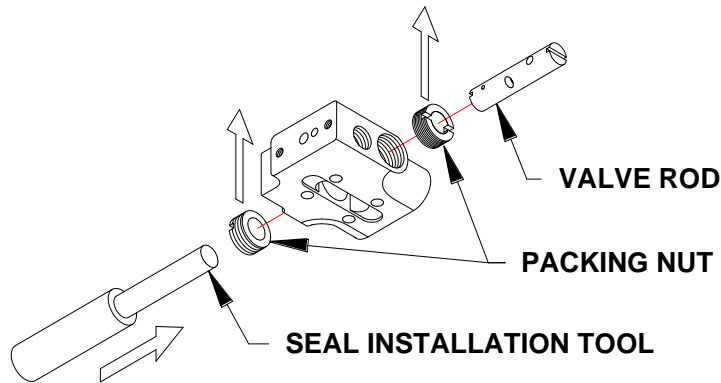
Remove Hose Fittings

1. Remove and clean the Hose fitting and O-ring on the rear of the gun block. See "Gun Fitting" document in the back of this manual for fitting numbers.

Remove Valve Rod

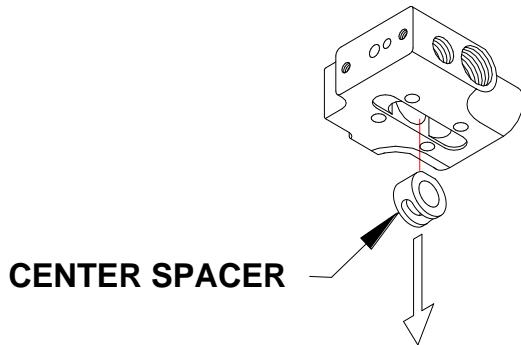
1. Remove the Actuating stem (5104-11-1) from the Valve rod (58693-1), if this has not already been done.
2. Remove the two Packing nuts (5104-8-1) located on each side of the gun block. Clean the packing nut threads.





Remove Center Spacer

1. Use needle-nose pliers to remove the Center spacer (5104-10-1).



Remove Seals

1. Insert the seal installation tool into one of the side ports and gently tap it completely through the gun block with a rubber mallet or hammer. As the tool is tapped through the interior of the gun block it will remove the seal sets for both sides of the gun block.
2. Remove Seals (relief spacer and secondary seal) from the seal installation tool. Clean with solvent.

CAUTION: Keep the components of the A side separate from the components of the B side. Mixing the components could result in cross-contamination.

3. Clean the two Relief spacers (5104-4-1) with solvent and allow to air dry.
4. Discard the seals and replace with new ones from repair kit.

Prepare the repair kit and any items that need replacing on hand before continuing. Lay all the parts out and check for any damage or wear and replace as necessary.



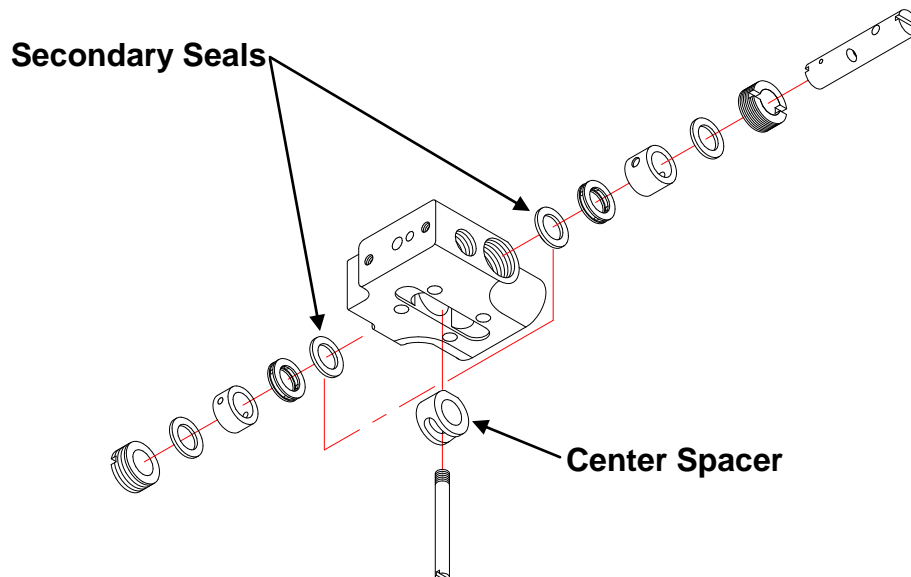
Gun Block Assembly:

Clean Block Assembly

- Discard o-rings and seals that are going to be replaced.
- Clean remaining components with solvent and allow to air dry.

Install Secondary Seals

1. Place the two Secondary seals (5104-3-1) into the center of the gun block where the center spacer goes. Gently push the secondary seal into position with something flat, flat to the gun block. Use caution not to damage it the seal.



Reinstall Center Spacer

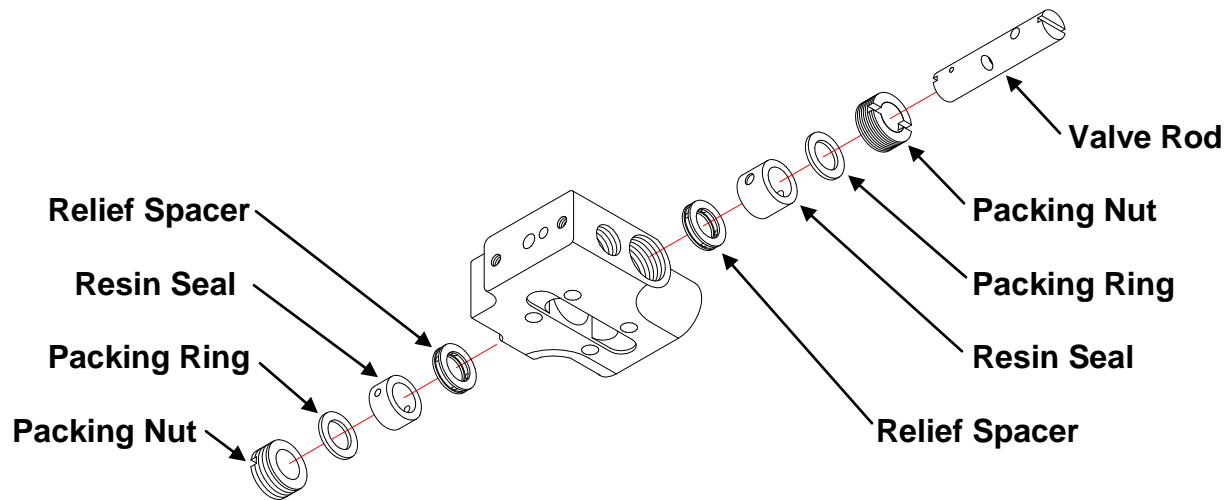
1. Place the Center spacer (5104-10-1) in the gun block, making sure that the center spacer is aligned as accurately as possible with the slot facing up. Use caution not to damage the secondary seals, already installed

Reassemble Seal Components

1. Place the catalyst components onto the seal installation tool in the following order:
 - Packing ring (5104-7-1)
 - Seal (5104-6-1)
 - Relief spacer (5104-4-1)

Note: The hole in the seal should be aligned with the port hole in the gun block before inserting the seal installation tool into the gun block.





2. Insert the seal installation tool with the components on it into the side of the gun block. Press firmly, or tap with a rubber mallet, then pull the packing tool out of the gun block.

Note: Again before inserting the seal installation tool, align the holes in the seal with the holes in the gun block as closely as possible.

3. The components should be seated in the interior of the gun block against the center spacer.
4. Gently screw a packing nut (5104-8-1) into the side of the gun block. Do not tighten.

Repeat this process for the other side of the gun block.

Align Seals

1. Hold the Seal alignment tool (6705-4-1) (tapered drill bit) firmly with a pair of pliers.
2. Insert the Seal alignment tool (tapered end first) into the gun block through the fitting port at the rear of the gun block
3. Gently press and move the alignment tool around until the holes in the Seal aligns with the hole / port in the gun block.

Note: At this point, the packing nut should not be tight.

Repeat this process on both sets of seals.

Install Valve Rod

1. Insert the Valve rod (58693-1) into the gun block. Use the seal installation tool to center the valve rod.

Note: Make sure that the valve rod is correctly aligned. The slotted end of the valve rod should be on the left side of the gun block with the hole for the actuating stem pointing down. The middle hole, into which the actuating stem will be inserted, must also be correctly aligned. One end of the hole has a relief; and this relief should face out of the gun block, as this is where the actuating stem will be installed.

Reinstall Actuating Stem

1. Screw the Actuating stem (5104-11-1) into the Valve rod (58693-1) thru the center spacer.

Note: Make sure the actuating stem is screwed into the side of the valve rod with the larger hole (thread relief).

2. Look down the front of the gun while moving the actuating stem back and forth. You should be able to see the holes open and close. The holes should be open when the actuating stem is at the back of the gun block and closed when the actuating stem is forward towards the front of the gun block.

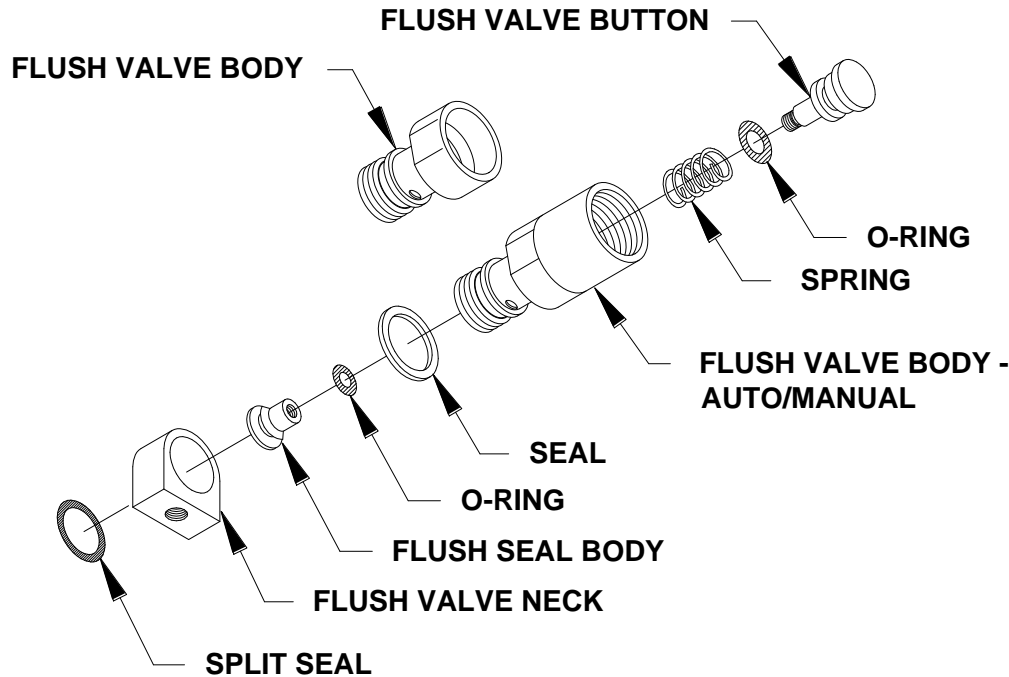
Tighten Packing Nuts

1. Tighten both packing nuts. Do not damage the packing bit
2. Move the actuating stem back and forth, opening and closing the gun.
3. Again tighten both packing nuts.
4. Repeat the above tightening process one more time

Reinstall Hose Fittings

1. Reinstall the appropriate fitting and o-ring into the rear of the gun block in both locations.

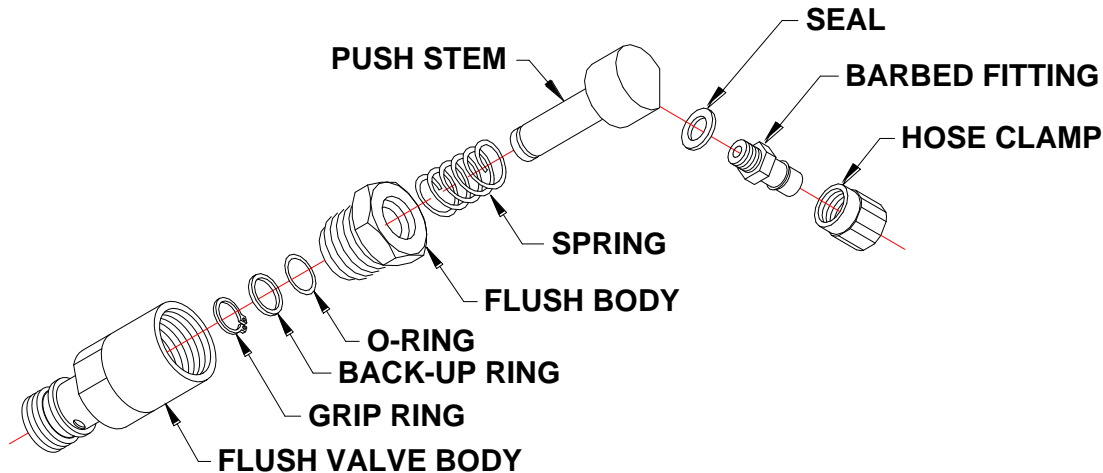
Reassemble Flush Valve



1. Place the o-ring (O-K-008) on the flush valve button (5104-25-1).
2. Insert the spring (9203-2-3) onto the flush valve button.
3. Push the button and spring into the flush valve body (5104-24-1).
4. Place the o-ring (O-A-007) on the flush seal body (5104-23-1).
5. Insert the flush seal body (5104-23-1) into the end of the flush valve body and screw it onto the button.
6. Place a flush valve seal (5104-26-1) on the flush valve body.
7. Install the flush valve body (5104-24-1) into the flush valve neck (5104-22-1).
8. Install the split seal (5104-21-1) onto the flush valve body (5104-24-1).

Note: For systems without Auto/Manual flush assemblies skip steps 9 - 13





9. Install the spring and push stem into the flush body.
10. Install a new o-ring onto the end of the push stem sticking out of the flush body.
11. Install the back-up ring onto the end of the push stem against the new o-ring.
12. Install the grip ring onto the end of the push stem.
13. Thread the auto/manual flush body assembly into the flush valve body.
14. Screw the flush valve assembly (5104-01-01) into the front side port on the resin side of the gun block

Note: If using o-ring part number O-K-008 (o-ring is used on the flush button), you do not need to replace the o-ring unless it is showing obvious signs of wear or damage. This o-ring is specially designed for use with all solvents.

Note: In some cases O-K-008 o-ring can be replaced with the more economical o-ring (O-E-008).

Assemble Mix Housing

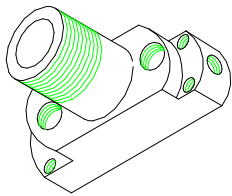
1. Install the new Face seals (58694-1) into the front of the gun block.
2. Mount the Mix chamber (58692-3 or DUO-4101) to the gun block using the four Cap screws (FS-832-10-GR8).

Note: the hardener side of the mix chamber is marked with an "H" and the mix chamber should be mounted so that the hardener side is on the right hand side of the gun.

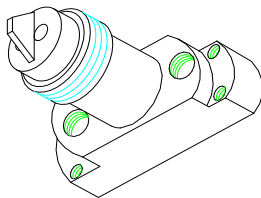


3. Install the proper Restrictor into the Hardener side of the gun block through the side port.
4. Using a new Seal (02441-1) install the Plug / Screw (7102-5-6) into the side of the mix chamber.
5. Install the Ball (03199) and Spring (04319) into the front ports of the mix chamber
6. Using a new Plug Seal (58695-1) install the Plug (58696-1) into the front of the mix chamber on top of the spring.

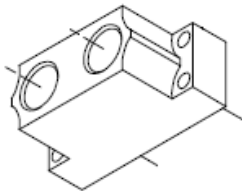
Mix Housing Options



- Mix Housing (58692-1) – Use with all turbulent mixers and most applications.



- Mix Housing (DUO-4101) – Use with disposable mixer assemblies (07550 3/8 ID Disposable mixer or 07551 1/4 ID Disposable mixer) for Pour or Spatter applications.



- Ratio Housing (DUO-4201) – Use to separate the two streams (Catalyst & Resin) – Check ratios & recirculation.

Turbulent Mixer Selection

There are two different turbulent mixers, in two different materials.

- Standard Turbulent Mixer 5107-27-3 – Use for most applications where outputs are not critical. Use with chopper and saturator applications.
- Critical Mix Turbulent Mixer 5107-27-2 – Use for low output applications such as gel coat. In low flow application the critical mix turbulent mixer will work best.
- Glass Filled Critical Mix Turbulent Mixer 5107-27-5 – Use in low flow applications where the material is abrasive and durability is required.





Actuator Rebuild:

1. Remove the two O-rings (O-V-013) from the underside of the Cylinder body (58631-1).
2. Unscrew the Cylinder caps (5106-4-1) from each end of the cylinder body.
3. Remove the O-ring (O-V-020) from each of the cylinder caps
4. Remove the Actuating piston (5106-7-1) by pushing it out the back end (long end) of the cylinder body with your fingers or a blunt tool.
5. Remove the actuating bushing (5106-5-1) from the piston.

CAUTION: *Avoid damaging the actuating piston when using the scribe in the next step.*

6. Use a scribe to remove the o-ring (O-V-020) from the actuating piston.

Note: *O-rings should be replaced each time the gun is disassembled.*

Clean Components

- Discard the used o-rings
- Clean the cylinder assembly components with solvent and allow to air dry. Do not soak actuating piston or cylinder caps in solvent as they will swell.

Assemble Classic Pro Gun Actuator Cylinder

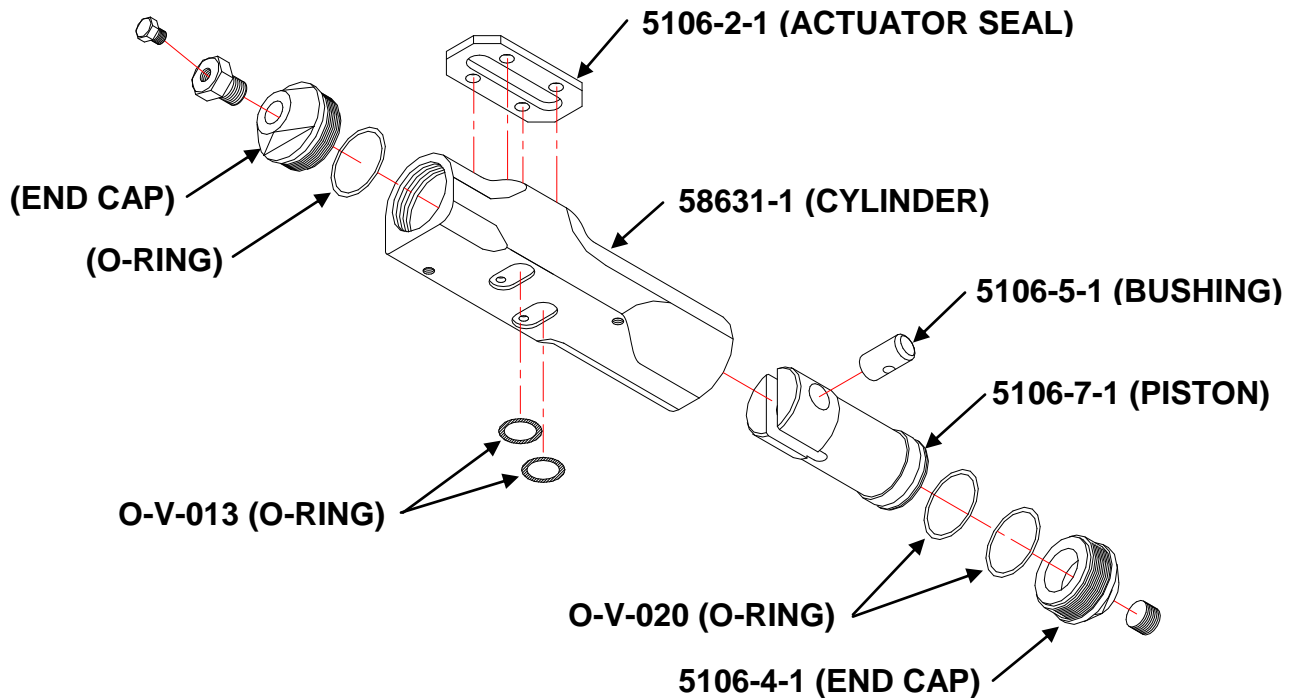
1. Place a new o-ring (O-V-020) on the actuating piston (5106-7-1).
2. Insert the actuating bushing (5106-5-1) into the actuating piston.

Note: *The hole in the actuating bushing must be facing up so the bushing hole can receive the actuating stem when the gun block is assembled.*

3. Use MVP Pro Gun Oil (6706-3-1) to lubricate the interior of the cylinder body and the actuating piston.



4. Insert the actuating piston (5106-7-1) into the cylinder body (58631-1).



Note: Install the actuating piston into the cylinder so that the bushing is on the high side of the piston centerline. Use caution not to damage the o-ring on the piston while installing it into the cylinder body.

5. Install new an o-ring (O-V-020) on each of the cylinder caps.
6. Reinstall the two cylinder caps on to the cylinder body.
7. Place new o-rings (O-V-013) in the grooves on the underside of the cylinder body.



Gun Handle Rebuild:

Disassembly Classic Pro Gun Handle

Note: If you are using the Automatic Pro gun you can skip the following procedures and attach the Mounting plate (58704-1, 58682-1 or 58757-1 for Super Pro Actuators) to the bottom of the actuator.

Note: The fitting on the side of the gun handle differs depending on the gun assembly you have, if ordering replacement parts, please make sure you reference the correct parts drawing.

Remove Trigger Assembly

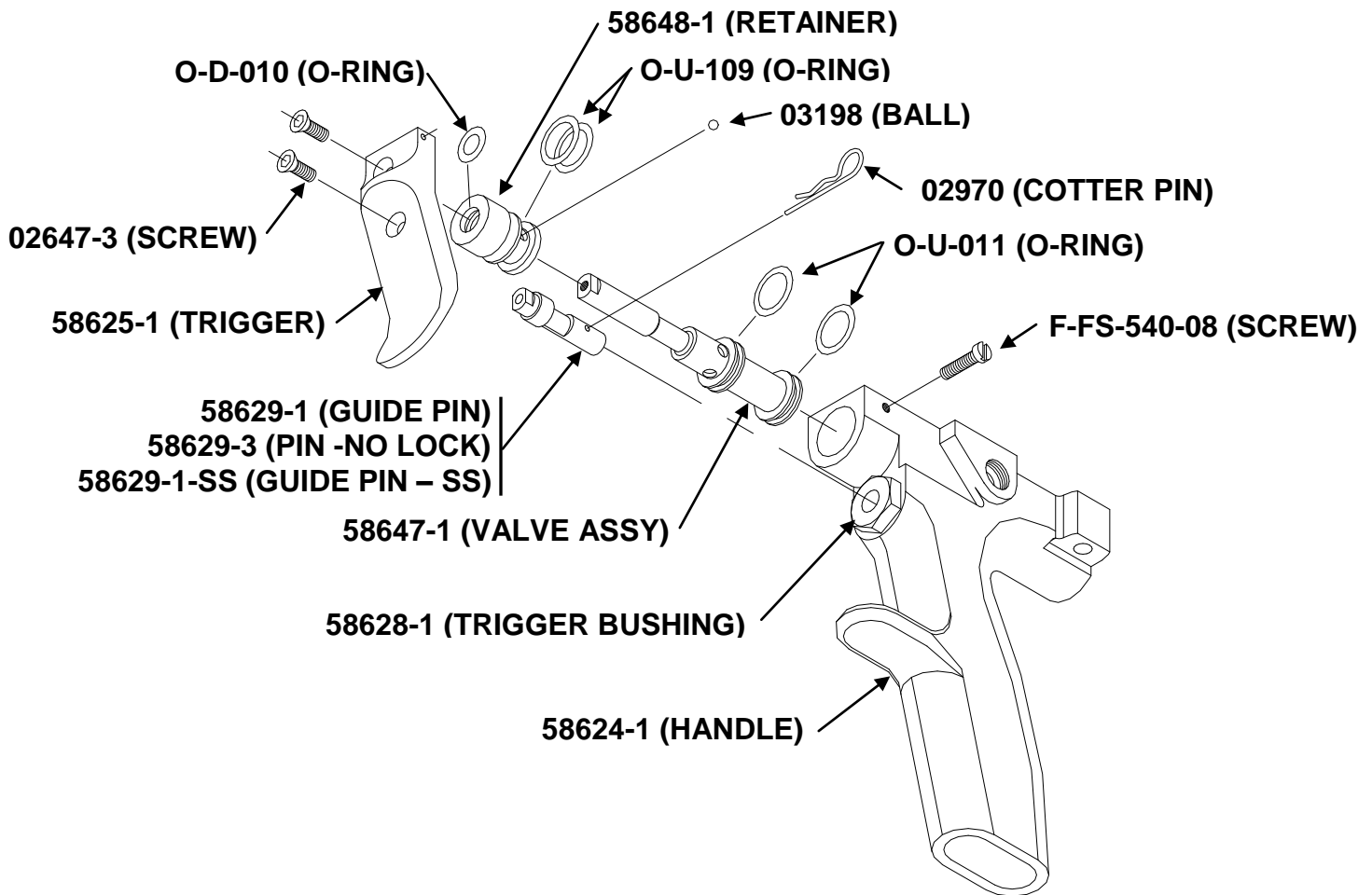
1. Remove trigger locking hairpin.
2. Remove the fillister-head screw (F-FS-540-08) on the side of the gun-head.
3. Pull the trigger retainer and spool assembly from the gun handle interior.

Disassemble the Trigger Retainer

Note: If you gun handle has the conversion upgrade (CPG-1007-CK) note the proper part numbers when ordering replacement parts.

1. Remove the upper screw (02647-3) on the trigger.
2. Pull the trigger retainer (58648-1) off the spool assembly.
3. Remove the o-ring (O-D-010) from inside the trigger retainer.





Note: Be careful not to drop the chrome balls located inside the trigger retainer. If your gun is used for gel coating or wet out, there will be no balls in the trigger retainer.

4. Remove the balls (03198) in the trigger retainer by inserting a small scribe between the two o-rings and into each side hole of the retainer.
5. Remove the two o-rings (O-U-109) on the trigger retainer.
6. Remove the two o-rings (O-U-011) on the spool assembly.

Note: The spool assembly does not disassemble.

Clean the Components

- Discard the used seals and o-rings and clean the remaining parts in solvent.
- Check the items to be reused for damage or wear.

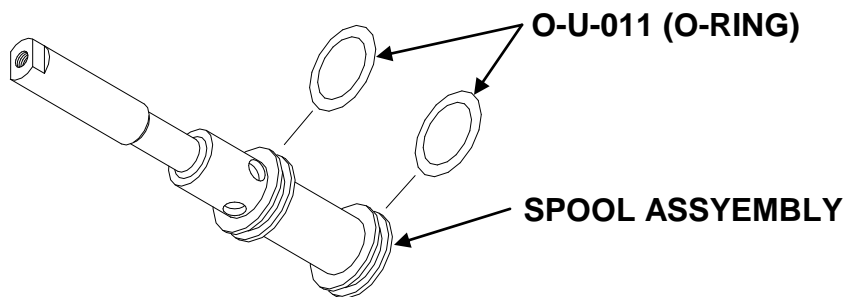


Assemble Classic Pro Gun Handle:

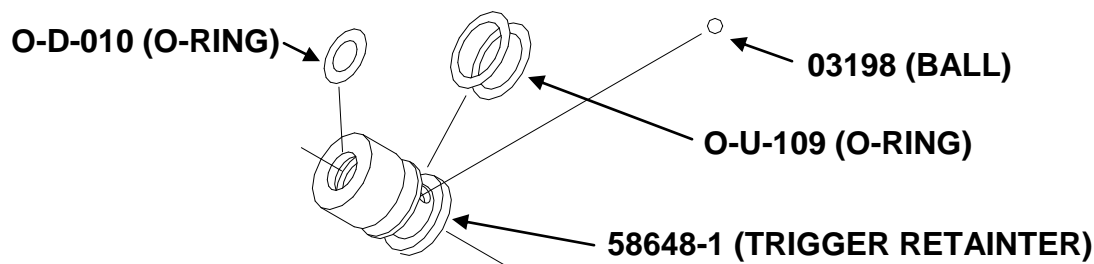
Note: Please refer to parts drawings for proper part numbers to assist you in assembling the gun handle. Discard used o-rings and seals and replace new ones from the appropriate Seal Kit.

Reinstall O-Ring on Spool Assembly

1. Reinstall the two o-rings (O-U-011) on the spool assembly.
2. Lubricate the o-rings with MVP Pro Gun Oil™ (6706-3-1).



Reassemble Trigger Retainer



1. Place two o-rings (O-U-109) in the external groove on the trigger retainer.
2. To use the gun for spraying catalyzed resin and/or chopped fiberglass (two stage trigger), you must install steel balls in the trigger retainer (steps A through D). (If you are spraying only gel coat or wet-out, continue to step 3.)
 - A. To prevent the balls from falling through the trigger retainer, insert the tip of the spool assembly into the trigger retainer.

Note: This is only temporary; the spool assembly will be inserted later in the other end of the trigger retainer.

- B. Place a drop of MVP Pro Gun Oil™ (6706-3-1) into the trigger retainer to help secure the balls.



C. Insert the balls (03198) in the trigger retainer, using a scribe to position the balls into the detents in the trigger retainer.

3. Insert the o-ring (O-D-010) into the internal groove of the trigger retainer.

Note: *Use the top of the spool assembly in the trigger retainer to prevent the o-ring from falling through the retainer*

4. Remove the tip of the spool assembly from the trigger retainer and reinsert the spool assembly in the correct end of the trigger retainer. Rotate the shaft ¼ turn as you push it in.

Note: *Grease the end of the spool assembly with MVP Pro Gun Oil (6706-3-1).*

5. Apply a drop of removable thread lock to the Torx screws (02647-3) then screw the spool assembly to the trigger using Torx screw (02647-3).
6. Thoroughly lubricate the spool assembly and trigger retainer with MVP Gun Oil (6706-3-1).

Attach Trigger Assembly to Handle

1. Insert the trigger assembly into the gun handle and secure with the fillister head screw (F-FS-540-08) on the side of the handle.

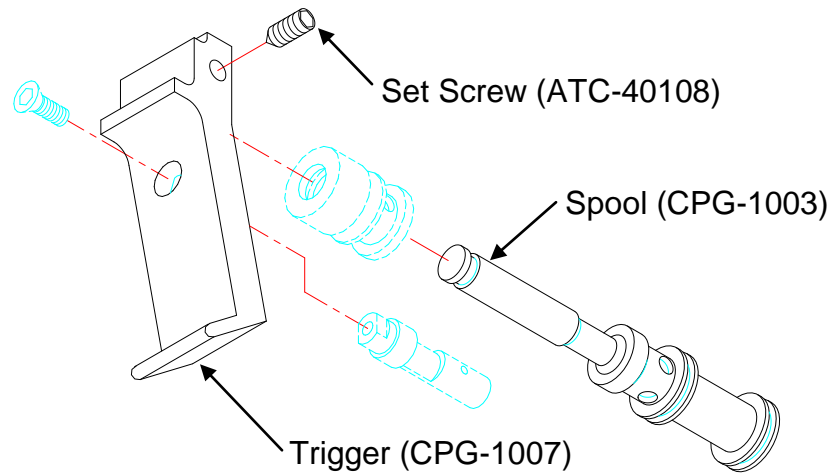
Note: *Be sure the front of the trigger retainer assembly is flush with the gun handle before installing screw.*

2. Install Trigger Hairpin (02970) as safety lock.



Optional Trigger and Spool Assembly

The conversion kit (CPG-1007-CK) offers an alternative to the standard trigger and spool assemblies. The updated trigger (CPG-1007) is used in conjunction with the spool (CPG-1003) to provide a more durable design and eliminates the need for one of the screws in the end of the trigger.



Install Elbow

Note: *This elbow assembly is used to supply air to the chopper. The gel coater gun's elbow assembly has different part numbers. If ordering replacement parts, please make sure you use the correct parts drawing.*

1. Install the pipe seal and elbow on the handle by screwing the assembly in by hand.
2. Use a wrench to tighten the pipe seal.
3. You have now completed the reassembly of the gun handle for the Classic Pro Gun TM

Assemble Pro Gun Modules

If this is an Automatic Pro Gun Assembly a Handle will not be used a Mounting Pad will be installed in place of the handle.

Note: The hole in the actuating bushing of the actuator must be facing up so the bushing hole can receive the actuating stem of the gun block. The actuating stem on the gun block must be in the hole of the actuator bushing. If you are unsure, remove the front end cap of the actuator and look.

1. Install and align the Actuator Seal onto the actuator body.
2. Using the four mounting screws (5106-6-1) secure the gun block to the actuator.
3. Use the two mounting screws (58626-1) to secure the handle assembly to the actuator assembly (58604-1).

Or

4. Use the two mounting screws secure the mounting pad to the bottom of the actuator.

Mounting Chopper

Note: If your 1:1 Pro Gun™ is used for chopping, perform the two steps, A and B:

- A. Install the hex cap screw securing the chopper to the top of the gun block. Be sure to install the eccentric stud in the chopper mount.
- B. Attach the air tube that connects the chopper to the gun handle.

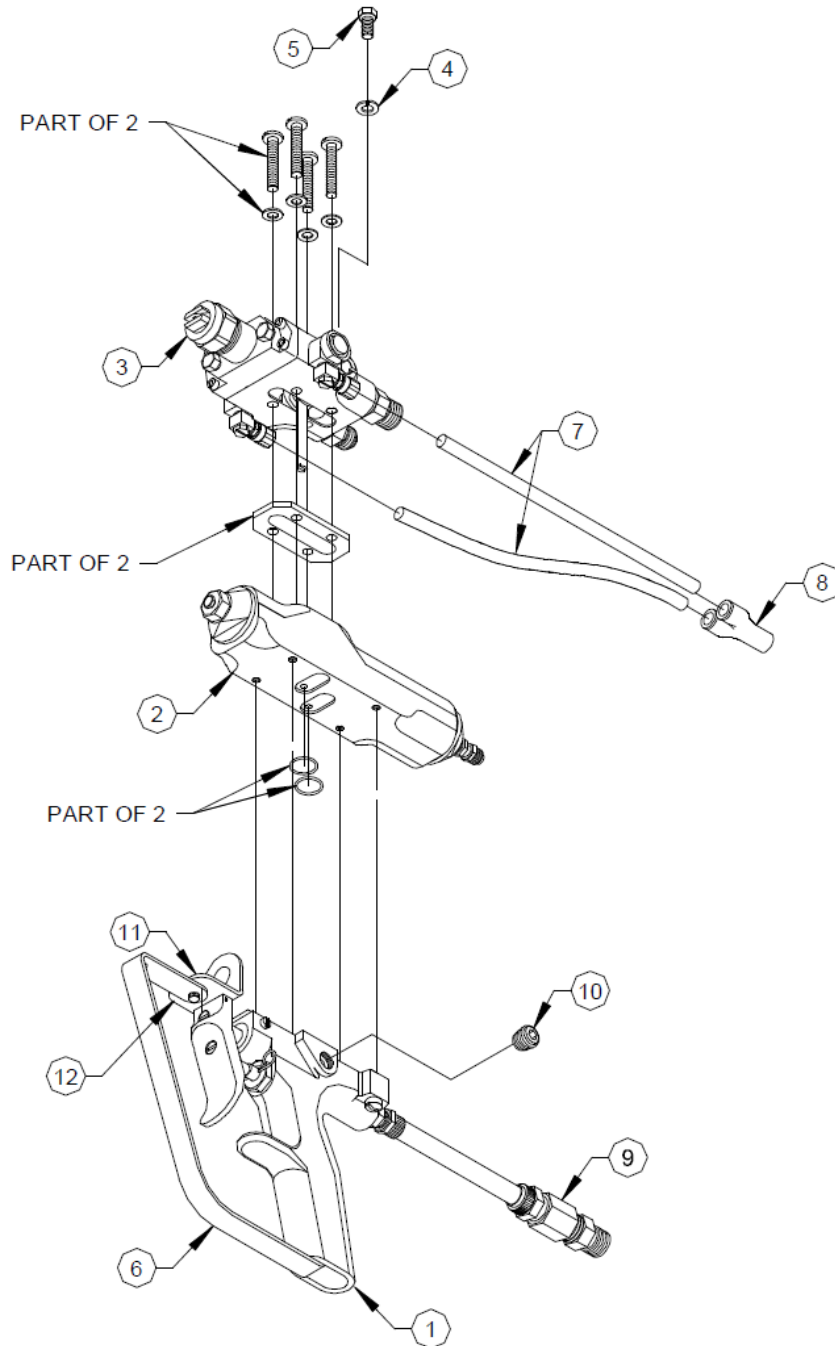




Parts Drawings:

CPD-4000	1:1 Pro Gun Assembly - Spray
CPD-4000-A	Auto 1:1 Pro Gun Assembly
PRTM-RG-1000-A	Pro Innovator Recirculation Gun
CPD-4000-A-INV	Innovator Automatic Recirculation Gun
CPD-5000	1:1 Pro Gun Assembly – Disposable Mixer
CPD-5000-A	Auto 1:1 Pro Gun Assembly – Disposable Mixer
CPD-5000-SILO	1:1 Pro Gun Assembly – Silicone
CPD-5000-SNZ	1:1 Pro Gun Assembly – Spatter Nozzle
CPD-6000	1:1 Pro Gun Assembly – Disposable Mixer – Solvent / Air Purge
CPD-6000-A	Auto 1:1 Pro Gun Assy – Disposable Mixer – Solvent / Air Purge
CPC-1200-A	Pro Gun Actuator Assembly - Automatic
CPD-4100-A	Auto 1:1 Pro Gun Block Assembly
CPD-5100	1:1 Pro Gun Block Assembly – Disposable Mixer
CPD-5100-A	Auto 1:1 Pro Gun Block Assembly
CPD-5100-SILO	Auto 1:1 Pro Gun Block Assembly – Silicone
CPD-5100-SNZ	Auto 1:1 Pro Gun Block Assembly – Spatter Nozzle
CPD-5200-SILO	Auto Pro Gun Actuator Assembly
CPD-6100	Auto 1:1 Pro Gun Block Assembly – Disposable Mixer
CPD-6300	Classic Pro Gun Handle – 1:1 Adhesive
58603-1	Classic Pro Gun Handle
58604-1	Pro Gun Actuator Assembly
58751-1	1:1 Pro Gun Block Assembly
58761-1	1:1 Pro Gun Block Assembly – BPO
58742-1	Automatic Flush Valve Assembly
58742-1-INT	Automatic Flush Valve Assembly – International
PRTM-RG-1100	Recirculation Gun Block
PRTM-RG-1200-A	Actuator Assembly
CPD-4000-A-RK	Repair Kit Auto 1:1 Pro Gun Assembly
CPD-4000-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-5000-A-RK	Repair Kit Auto 1:1 Pro Gun Assembly
CPD-5000-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-5000-SILO-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-5000-SNZ-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-6000-A-RK	Repair Kit Auto 1:1 Pro Gun Assembly
CPD-6000-RK	Repair Kit 1:1 Pro Gun Assembly
58744-1	Repair Kit 1:1 Pro Gun Block Assembly
58744-1-INT	Repair Kit 1:1 Pro Gun Block Assembly - International





MAGNUM VENUS PRODUCTS

Pro Duo 1:1 Gun Assembly

CPD-4000

REV. - 04/07/06 BT2

REV. A - ITEM 6 WAS 58676-1, MOVED TO OPTIONAL ASSEMBLIES, ADDED ITEMS 11 AND 12 07/12/06 BT2

REV. B - ADDED REPAIR KIT 05/14/07 BT2



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Auto Pro Gun Assembly CPD-4000

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	58603-1	1	GUN HANDLE
2	58604-1	1	ACTUATOR ASSEMBLY
3	58751-1	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	58670-1	1	TRIGGER GUARD
7	01443	2 FT.	2 - 1 FT. TUBE SECTIONS
8	06946	1	Y CONNECTOR
9	6506-1-0.5	1	POLY AIR WHIP ASSEMBLY
10	PF-AP-02	1	PLUG
11	02806-2	1	SCREW
12	58671-1	1	DRIP SHIELD

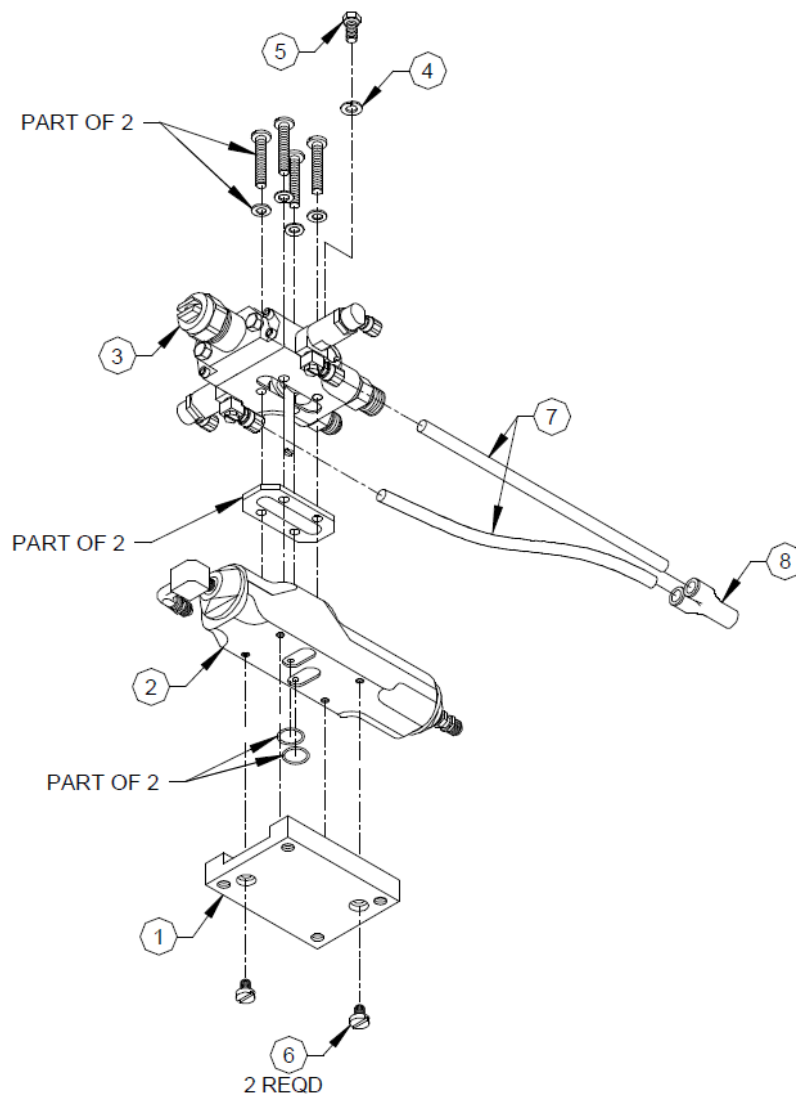
REPAIR KITS

PART NO.	DESCRIPTION
CPD-4000-RK	MAJOR REPAIR KIT

OPTIONAL PARTS AND ASSEMBLIES

PART NO.	DESCRIPTION
58676-1	TRIGGER GUARD ASSEMBLY





MAGNUM VENUS PRODUCTS

Automatic Pro Duo 1:1 Gun Assembly

CPD-4000-A

REV. - 04/07/06 BT2
 REV. A - ITEM 3 WAS DUO-4100-A 06-02-06 BT2
 REV. B - ADDED REPAIR KIT 05-14-07 BT2



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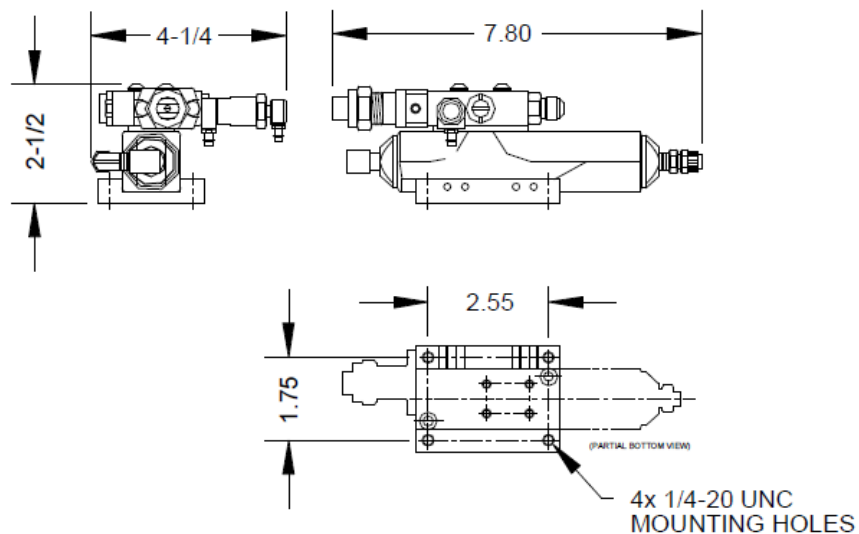
Auto Pro Gun Assembly CPD-4000-A

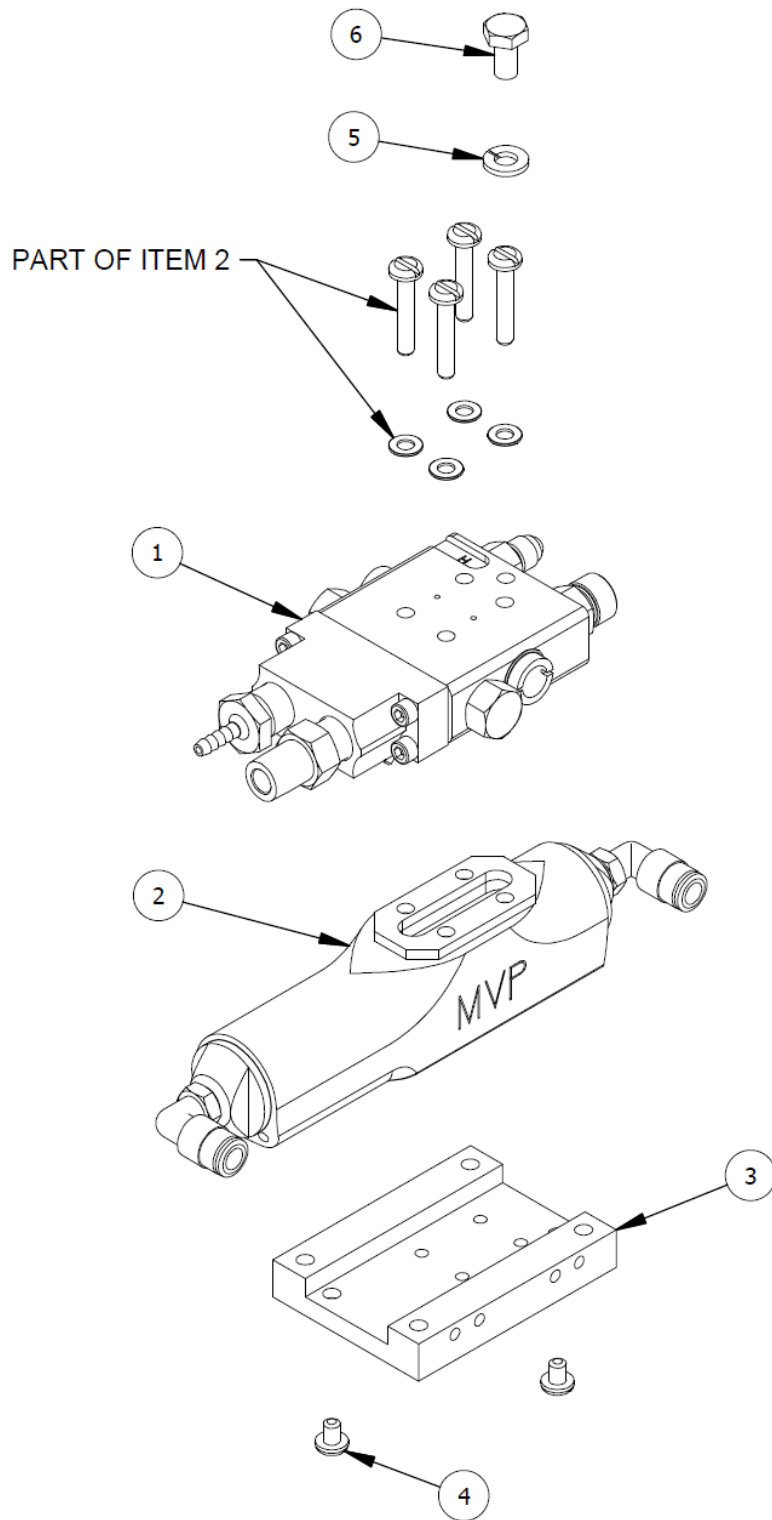
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	58704-1	1	MOUNTING PAD - PRO GUN
2	CPC-1200-A	1	ACTUATOR ASSEMBLY
3	CPD-4100-A	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	02806-2	2	PAN HEAD SCREW
7	01443	2 FT.	2 - 1 FT. TUBE SECTIONS
8	06946	1	Y CONNECTOR

REPAIR KITS

PART NO.	DESCRIPTION
CPD-4000-A-RK	MAJOR REPAIR KIT





MAGNUM VENUS PLASTECH

RECIRCULATION GUN

PRTM-RG-1000-A

REV: A 02/24/11

SHEET 1 / 2

8/11/2009



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Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	PRTM-RG-1100	1	RECIRCULATION GUN BLOCK
2	PRTM-RG-1200-A	1	ACTUATOR ASSEMBLY
3	58704-1	1	MOUNTING PAD
4	02806-2	2	10-24 PAN HEAD SCREW
5	F-SW-04	1	LOCK WASHER
6	F-HB-04C-08	1	HEX BOLT

REPAIR KIT

PART No.	DESCRIPTION
CPD-4000-A-INV-RK	REPAIR KIT

MAGNUM VENUS PLASTECH

RECIRCULATION GUN

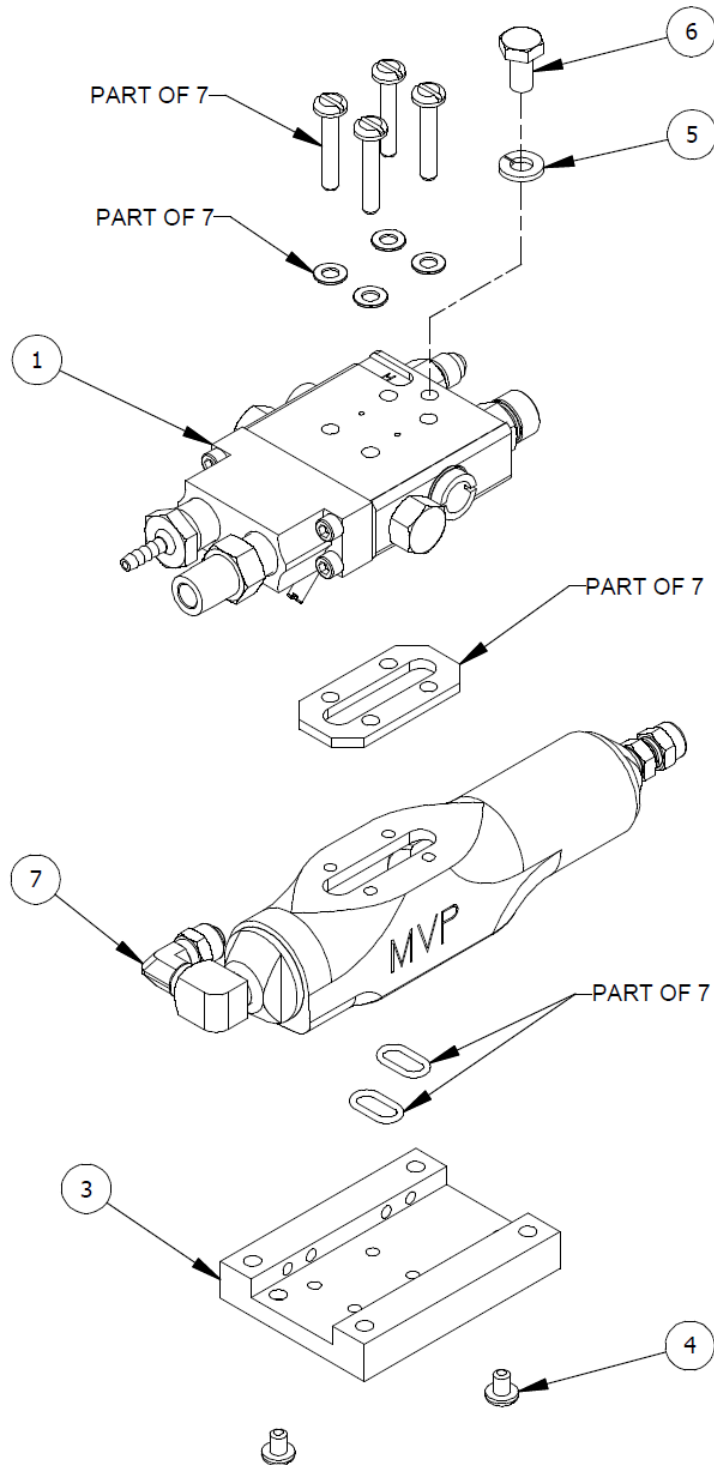
PRTM-RG-1000-A

REV:A 02/24/11

SHEET 2 / 2

8/11/2009





MAGNUM VENUS PLASTECH

INNOVATOR AUTOMATIC RECIRCULATION GUN

CPD-4000-A-INV

REV:

SHEET 1 / 2

1/12/2010



MagnumVenusProducts™

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Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	PRTM-RG-1100	1	RECIRCULATION GUN BLOCK
3	58704-1	1	MOUNTING PAD
4	02806-2	2	10-24 PAN HEAD SCREW
5	F-SW-04	1	LOCK WASHER
6	F-HB-04C-08	1	HEX BOLT
7	CPC-1200-A	1	ACTUATOR ASSEMBLY

MAGNUM VENUS PLASTECH

INNOVATOR AUTOMATIC RECIRCULATION GUN

CPD-4000-A-INV

REV:

SHEET 2 / 2

1/12/2010



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Pro Duo 1:1 Gun With Mixer	CPD-5000
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Pro Duo Gun Assembly CPD-5000

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	58603-1	1	GUN HANDLE
2	58604-1	1	ACTUATOR ASSEMBLY
3	CPD-5100	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	58670-1	1	TRIGGER GUARD
7	01443	2 FT.	2 - 1 FT. TUBE SECTIONS
8	06946	1	Y CONNECTOR
9	6506-1-0.5	1	POLY AIR WHIP ASSEMBLY
10	PF-AP-02	1	PLUG
12	07550	1	DISPOSABLE MIXER
13	04409	1	MIXER HOUSING
14	02806-2	1	SCREW
15	58671-1	1	DRIP SHIELD

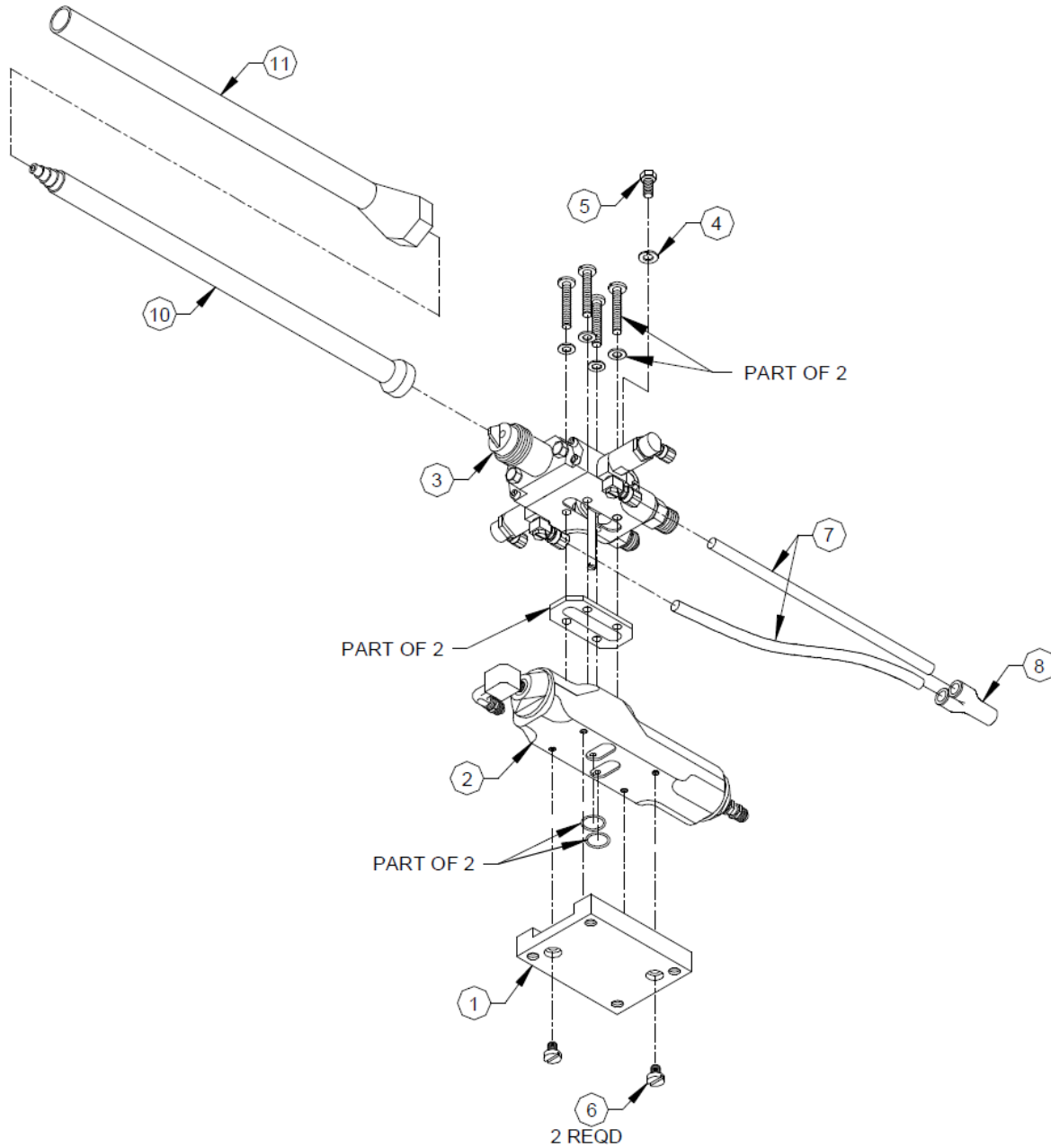
REPAIR KITS

PART NO.	DESCRIPTION
CPD-5000-RK	MAJOR REPAIR KIT

OPTIONAL PARTS AND ASSEMBLIES

PART NO.	DESCRIPTION
58676-1	TRIGGER GUARD ASSEMBLY





MAGNUM VENUS PRODUCTS

Automatic Pro Duo 1:1 Gun Assembly

CPD-5000-A

REV. - 05/11/06 BT2
REV. A - DELETED ITEM 9 07552, ADDED REPAIR KIT 05/14/07 BT2



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Auto Pro Gun Assembly CPD-5000-A

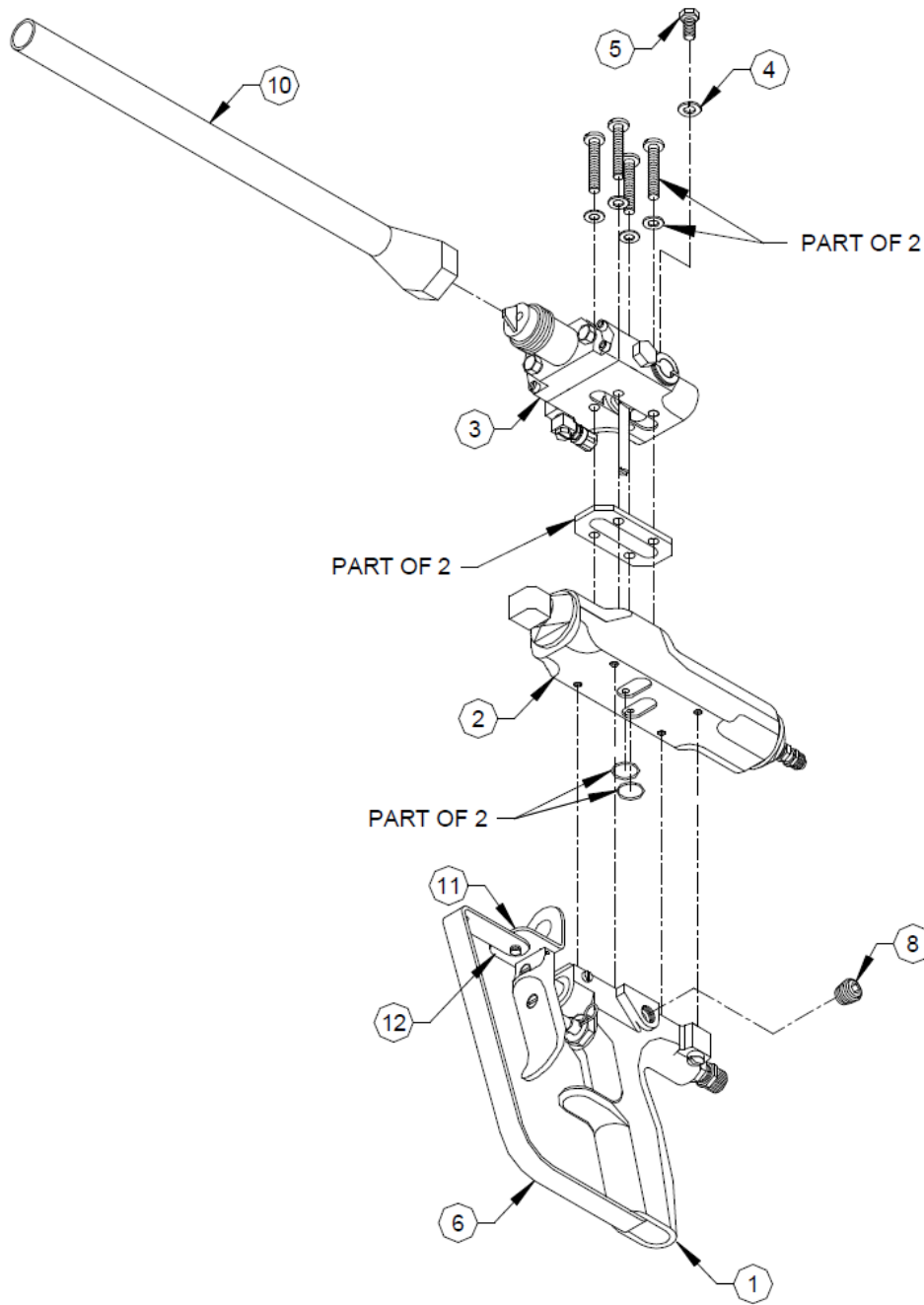
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	58704-1	1	MOUNTING PAD - PRO GUN
2	CPC-1200-A	1	ACTUATOR ASSEMBLY
3	CPD-5100-A	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	02806-2	2	PAN HEAD SCREW
7	01443	2 FT.	2 - 1 FT. TUBE SECTIONS
8	06946	1	Y CONNECTOR
10	07550	1	DISPOSABLE MIXER
11	04409	1	MIXER HOUSING

REPAIR KITS

PART NO.	DESCRIPTION
CPD-5000-A-RK	MAJOR REPAIR KIT





MAGNUM VENUS PRODUCTS

Pro Duo 1:1 Gun - Silicone

CPD-5000-SILO

REV. - 05/11/07 BT2

REV. A - DELETED ITEM 7 6506-1-0.5 AND ITEM 9 07550 05/31/07 BT2

REV. B - ITEM 2 WAS 58604-1 08/15/07 BT2



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Pro Duo Gun Assembly CPD-5000-SILO

PARTS LIST

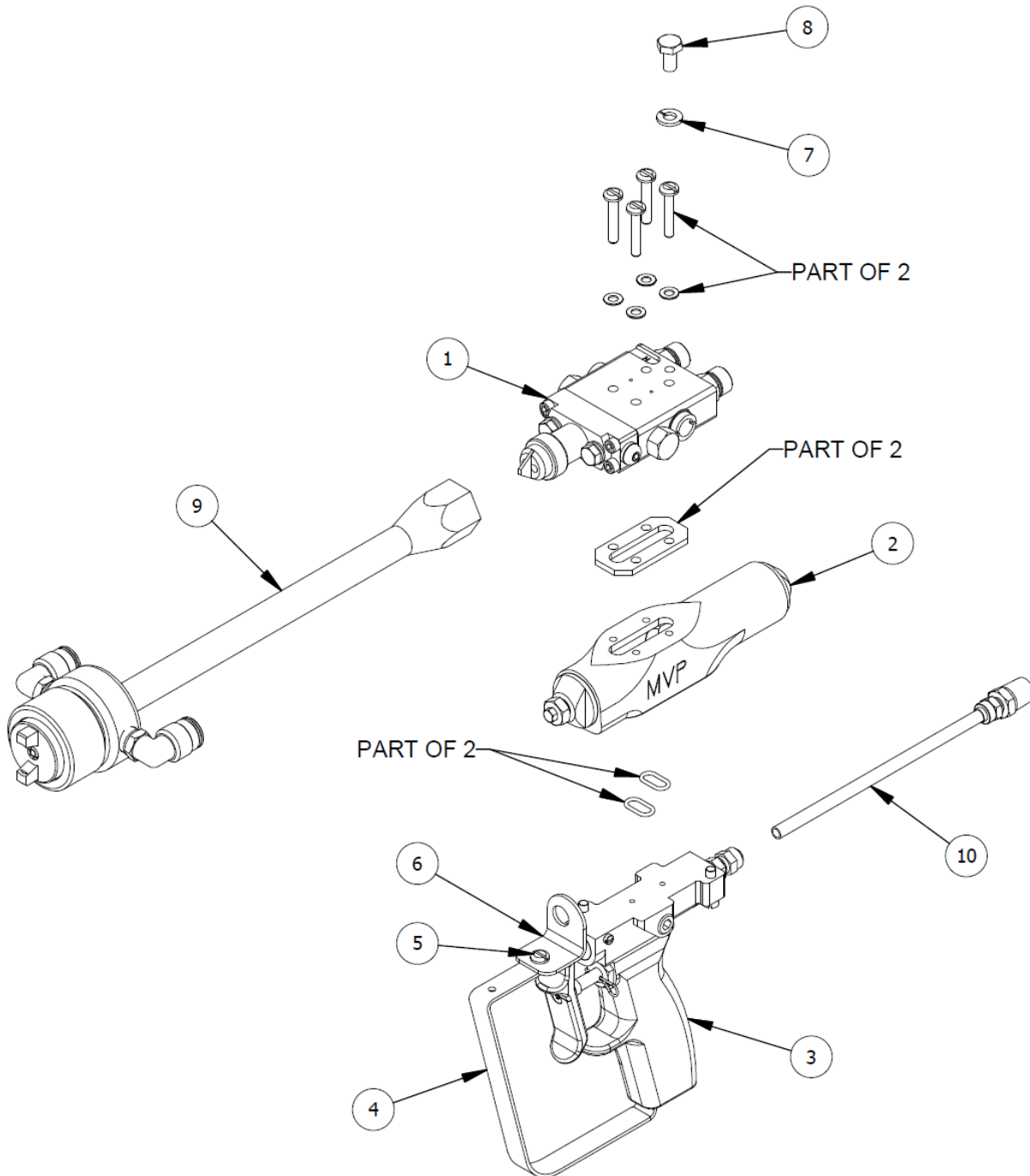
ITEM	PART NO.	QTY	DESCRIPTION
1	58603-1	1	GUN HANDLE
2	CPD-5200-SILO	1	ACTUATOR ASSEMBLY
3	CPD-5100-SILO	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	58670-1	1	TRIGGER GUARD
8	PF-AP-02	1	PLUG
10	04409	1	MIXER HOUSING
11	02806-2	1	SCREW
12	58671-1	1	DRIP SHIELD

REPAIR KITS

PART NO.	DESCRIPTION
CPD-5000-SILO-RK	MAJOR REPAIR KIT

OPTIONAL PARTS AND ASSEMBLIES

PART NO.	DESCRIPTION
58676-1	TRIGGER GUARD ASSEMBLY



MAGNUM VENUS PLASTECH

PRO DUO GUN

CPD-5000-SNZ

REV:

SHEET 1 / 2

3/18/2010



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Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	CPD-5100-SNZ	1	PRO DUO GUN BLOCK
2	58604-1	1	ACTUATOR ASSY WITH SIGNAL
3	58603-3	1	CLASSIC PRO HANDLE ASSY. - GEL
4	58670-1	1	TRIGGER GUARD
5	02806-2	1	10-24 PAN HEAD SCREW
6	58671-1	1	DRIP SHIELD
7	F-SW-04	1	LOCK WASHER
8	F-HB-04C-08	1	HEX BOLT
9	SNZ-1000	1	SPATTER NOZZLE ASSEMBLY
10	6504-1-0.5	1	1/4" POLY AIR WHIP

REPAIR KIT

CPD-5000-SNZ-RK (REPAIR KIT INCLUDES PARTS IN ITEMS 1, 2, 3, AND 9)

MAGNUM VENUS PLASTECH

PRO DUO GUN

CPD-5000-SNZ

REV:

SHEET 2 / 2

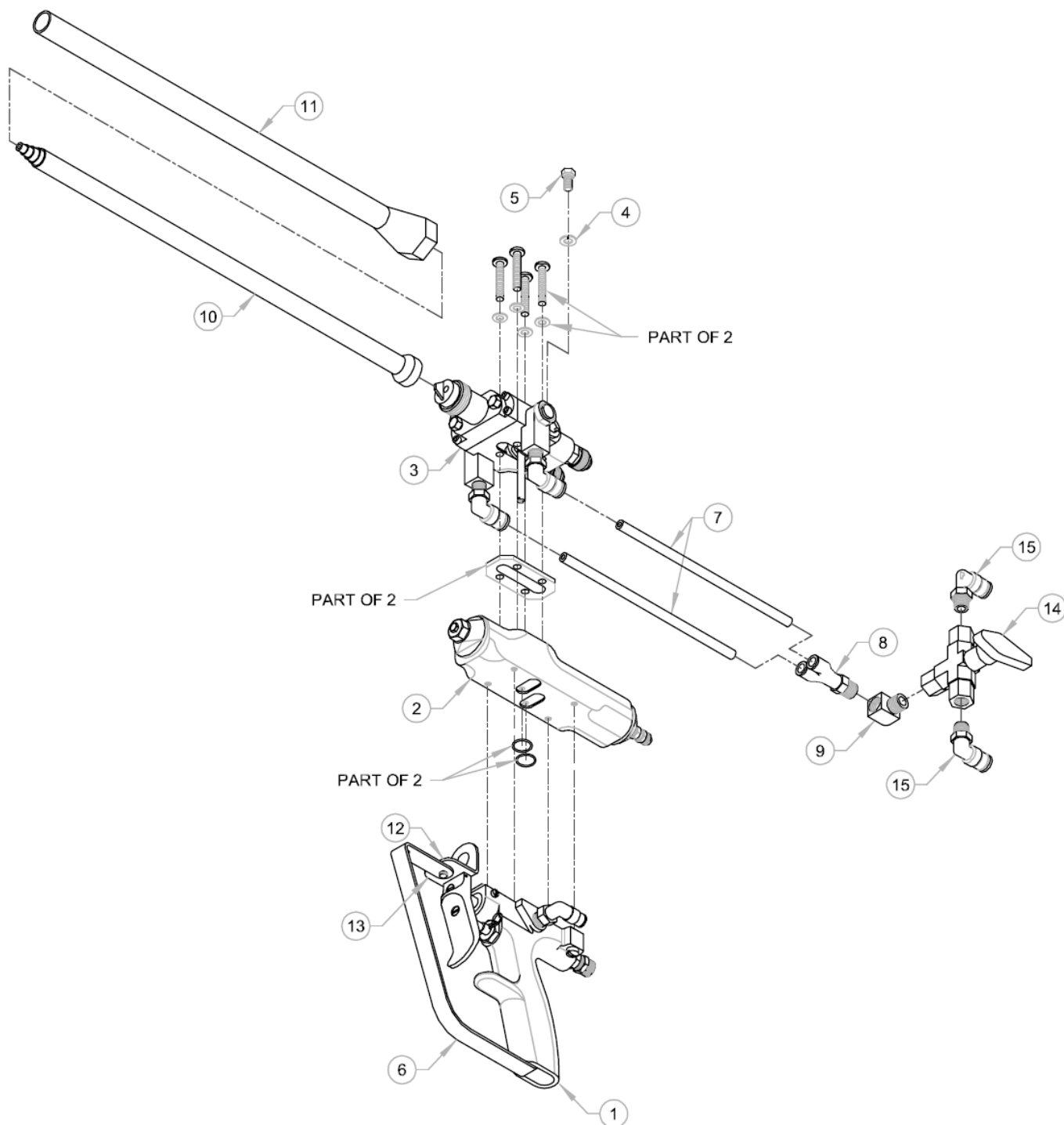
3/18/2010



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MAGNUM VENUS PLASTECH

Pro Duo 1:1 Gun With Mixer

CPD-6000

REV. - 03/13/08 BT2
 REV. A - REPAIR KIT WAS CPD-5000-RK 09/30/08 BT2
 REV. B - ITEM 10 WAS 07750, ITEM 11 WAS 04409 01/17/13 BT2



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Pro Duo Gun Assembly CPD-6000

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	CPD-6300	1	GUN HANDLE
2	58604-1	1	ACTUATOR ASSEMBLY
3	CPD-6100	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	58670-1	1	TRIGGER GUARD
7	01443	4 FT.	2 - 2 FT. TUBE SECTIONS
8	06952	1	Y CONNECTOR
9	PF-SE-02-BR	1	ELBOW
10	CPD-6018	1	DISPOSABLE MIXER
11	CPD-6017	1	MIXER HOUSING
12	02806-2	1	SCREW
13	58671-1	1	DRIP SHIELD
14	8407-6-1	1	BALL VALVE
15	MPH-2539	2	POLY ELBOW

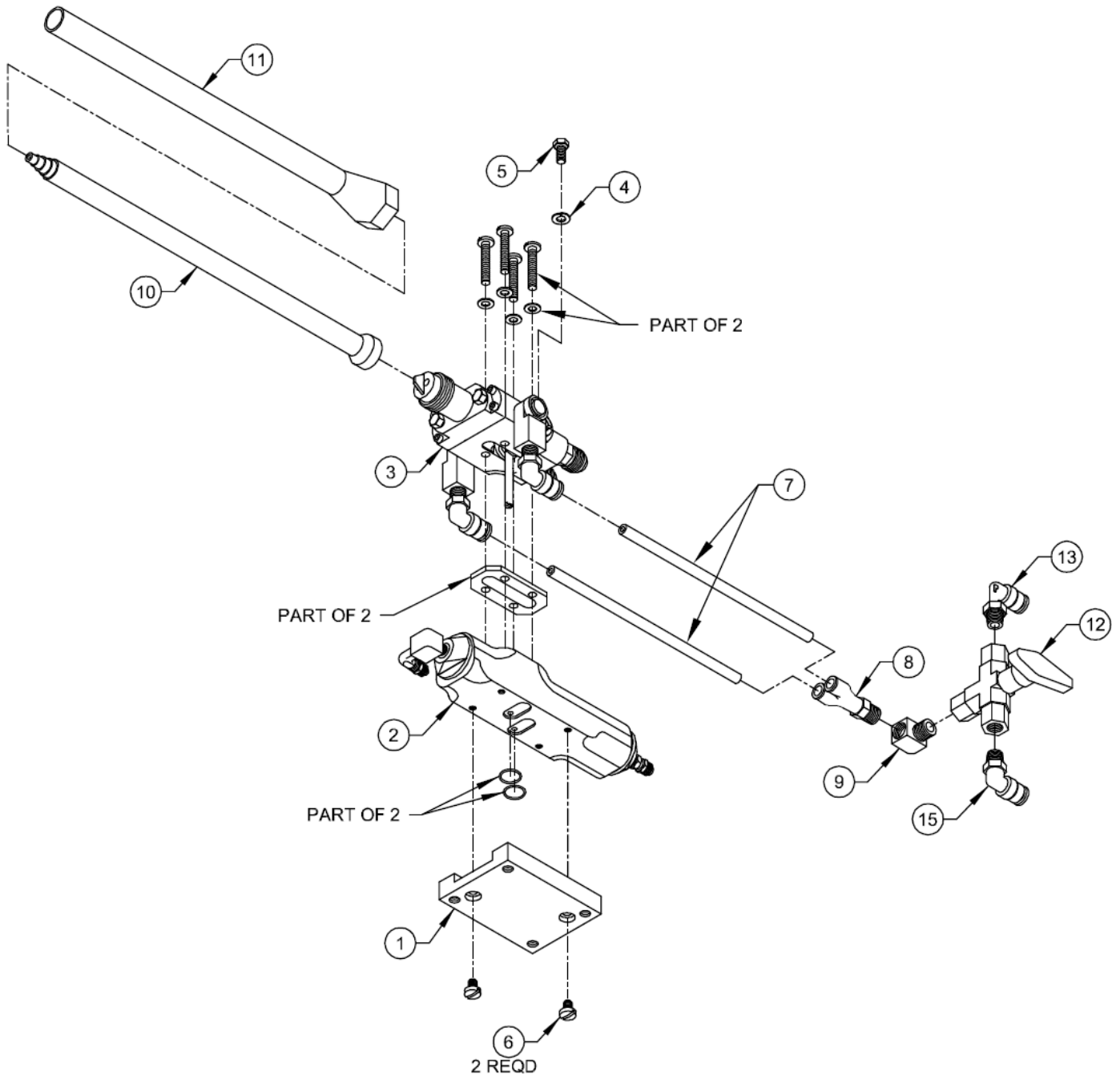
REPAIR KITS

PART NO.	DESCRIPTION
CPD-6000-RK	REPAIR KIT

OPTIONAL PARTS AND ASSEMBLIES

PART NO.	DESCRIPTION
58676-1	TRIGGER GUARD ASSEMBLY





MAGNUM VENUS PLASTECH

Pro Duo 1:1 Automatic Gun With Mixer

CPD-6000-A

REV. - 09/29/08 BT2

REV. A - MODIFIED DRAWING OF CPD-6100 TO SHOW FLUSH VALVE ORIENTATION FOR AUTOMATIC GUN, ITEM 2 WAS 58604-1 12/05/08 BT2



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Pro Duo Gun Assembly CPD-6000-A

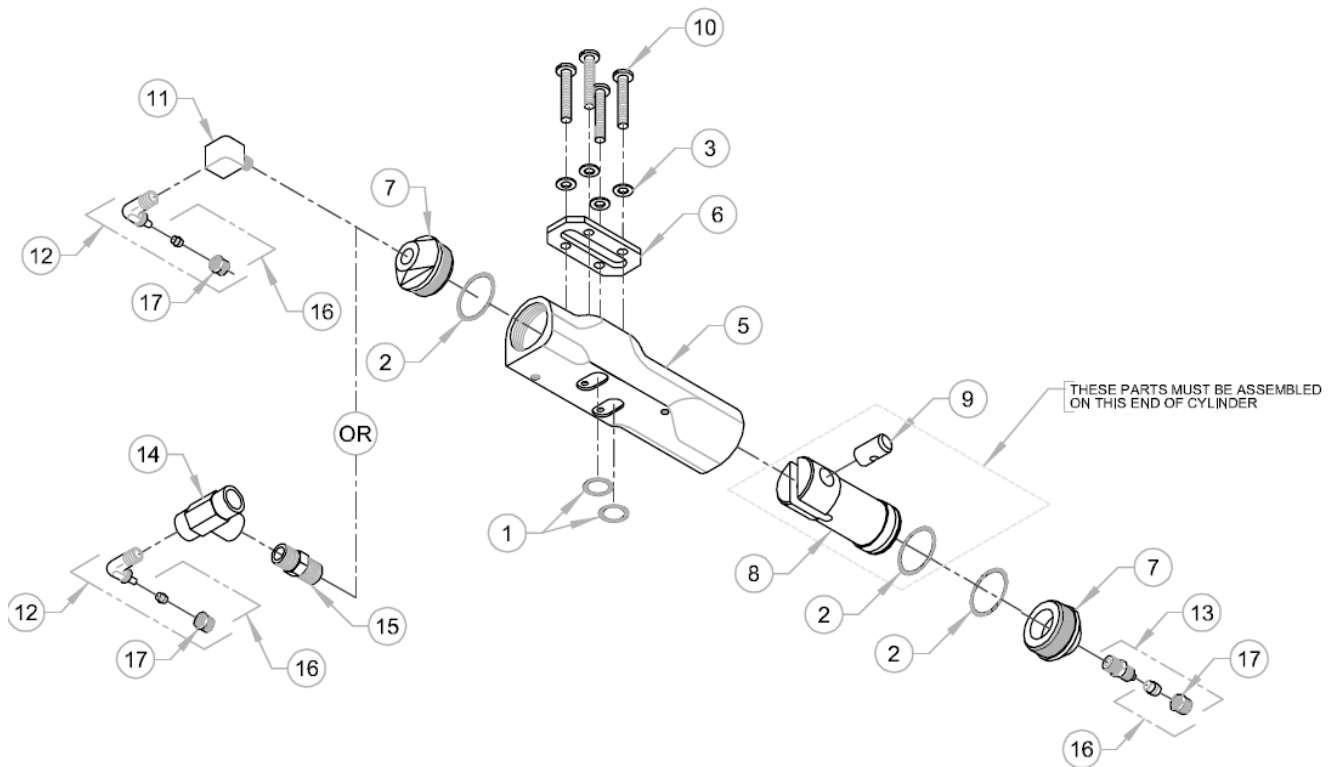
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	58704-1	1	MOUNTING PAD - PRO GUN
2	CPC-1200-A	1	ACTUATOR ASSEMBLY
3	CPD-6100	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	02806-2	2	PAN HEAD SCREW
7	01443	4 FT.	2 - 2 FT. TUBE SECTIONS
8	06952	1	Y CONNECTOR
9	PF-SE-02-BR	1	ELBOW
10	07550	1	DISPOSABLE MIXER
11	04409	1	MIXER HOUSING
12	8407-6-1	1	BALL VALVE
13	MPH-2539	2	POLY ELBOW

REPAIR KITS

PART NO.	DESCRIPTION
CPD-6000-A-RK	MAJOR REPAIR KIT





MAGNUM VENUS PLASTECH

Pro Series Automatic Gun Actuator
Pro Series Automatic Gun Actuator

CPC-1200-A
CPC-1200-A-2

REV. - 03/14/06 BT2
REV. A - REMOVED ITEM 4 58626-1 11/01/06 BT2
REV. B - ITEM 16 WAS 00437 FERRULE 05/10/12 BT2

Pro Series Gun Actuator CPC-1200-A
Pro Series Gun Actuator CPC-1200-A-2

COMMON PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	O-V-013	2	O-RING
2	O-V-020	3	O-RING
3	5106-3-1	4	MOUNTING SEAL
5	58631-1	1	CYLINDER BODY ASSY
6	5106-2-1	1	ACTUATOR SEAL
7	5106-4-1	2	CYLINDER CAP
8	5106-7-1	1	ACTUATING PISTON
9	5106-5-1	1	BUSHING
10	5106-6-1	4	MOUNTING SCREW
12	MPH-2534	1	MALE ELBOW POLY FITTING
13	7701-6-14	1	STRAIGHT POLY FITTING

Pro Series Gun Actuator CPC-1200-A

ITEM	PART NO.	QTY	DESCRIPTION
11	PF-SE-02-BR	1	STREET ELBOW

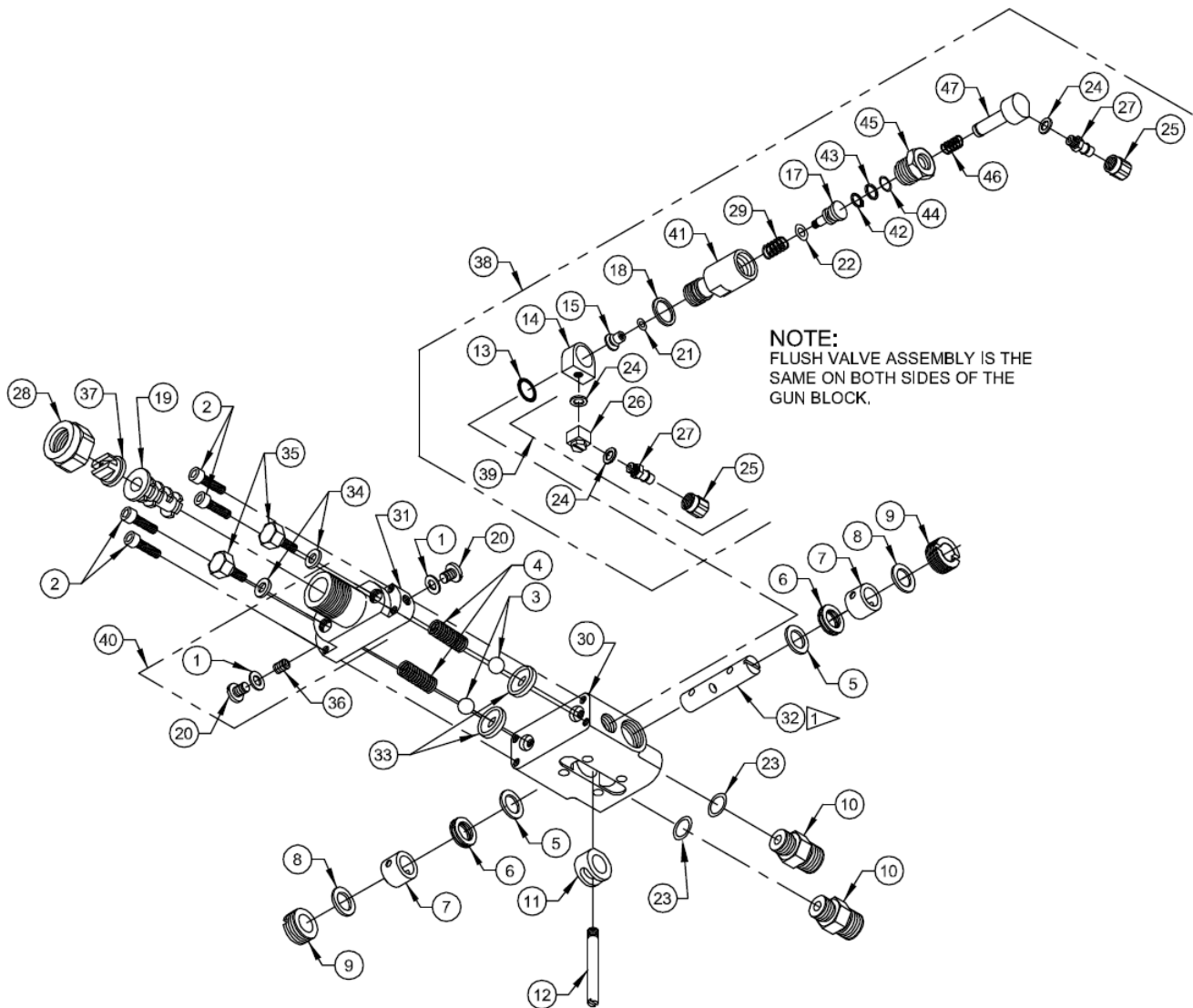
Pro Series Gun Actuator - Gel CPC-1200-A-2

ITEM	PART NO.	QTY	DESCRIPTION
14	PF-FT-02	1	FEMALE TEE
15	PF-HN-02	1	HEX NIPPLE

OPTIONAL PARTS

ITEM	PART NO.	QTY	DESCRIPTION
16	7701-6-11	3	FERRULE W/ NUT
17	7701-6-12	3	POLY NUT ONLY





MAGNUM VENUS PLASTECH

AUTOMATIC PRO 1:1 GUN BLOCK

CPD-4100-A

REV - 03/23/06 BT2
REV A - ITEM 24 WAS QTY. 4 09/30/08 BT2



ASSEMBLY - 1:1 GUN BLOCK CPD-4100-A

PARTS LIST

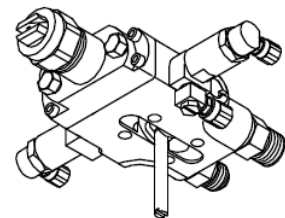
ITEM	PART NO.	QTY	DESCRIPTION
1	02441-1	2	SEAL
2	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW
3	03199	2	BALL
4	04319	2	SPRING
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	5104-9-1	2	RESIN FITTING
11	5104-10-1	1	CENTER SPACER
12	5104-11-1	1	ACTUATING STEM
13	5104-21-1	2	FLUSH VALVE SPLIT SEAL
14	5104-22-1	2	FLUSH VALVE NECK
15	5104-23-1	2	FLUSH SEAL BODY
17	5104-25-1	2	FLUSH VALVE BUTTON
18	5104-26-1	2	FLUSH VALVE SEAL
19	5107-27-3	1	TURBULENT MIXER
20	F-BHCS-04C-06	2	SCREW
21	O-E-007	2	O - RING *DO NOT GREASE THIS O-RING*
22	O-E-008	2	O - RING *DO NOT GREASE THIS O-RING*
23	O-E-3-904	2	O - RING
24	7304-3-1	6	NYLON SEAL
25	7701-2-1	4	HOSE CLAMP
26	TRU-1021	2	ELBOW FITTING
27	7701-6-3	4	BARB FITTING
28	8704-4-1	1	NOZZLE CAP
29	9203-2-3	2	SPRING
30	58691-1	1	1:1 GUN BLOCK
31	58692-3	1	MIX HOUSING
32	58693-1	1	VALVE ROD
33	58694-1	2	FACE SEAL
34	58695-1	2	PLUG SEAL
35	58696-1	2	PLUG
36	58752-4	1	FLOW RESTRICTOR
37	FT-652	1	SPRAY NOZZLE
41	58681-1	2	FLUSH VALVE BODY
42	00973	2	GRIP RING
43	58718-1	2	BACK UP RING
44	O-B-010	2	O-RING
45	58717-1	2	MANUAL / AUTO FLUSH BODY
46	04356	2	SPRING
47	58716-1	2	PUSH STEM

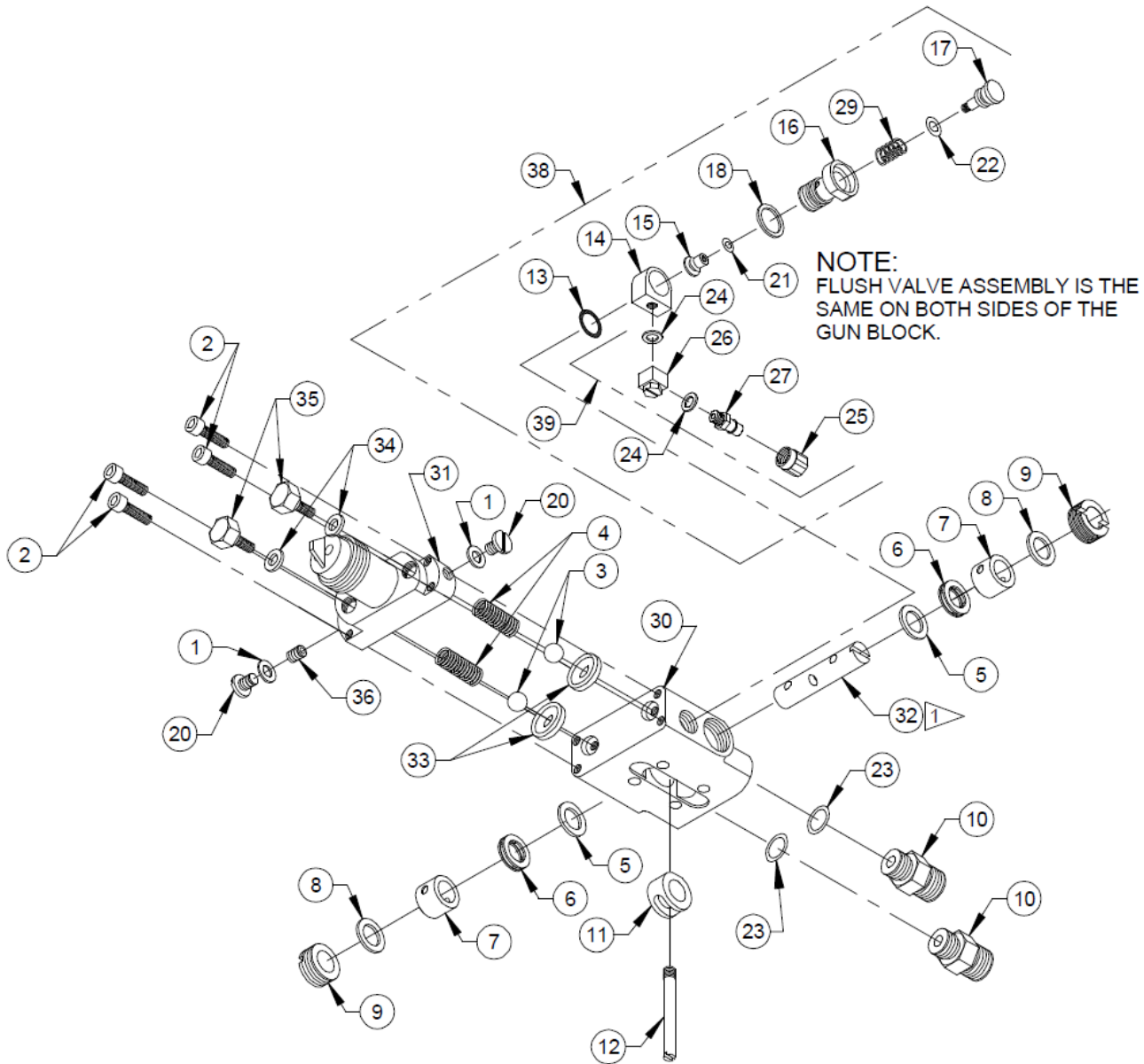
OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
38	58742-1	2	ASSY - FLUSH VALVE
39	5104-02-01	2	ASSY - FLUSH ELBOW
40	58692-1	1	ASSY - MIX HOUSING
15A	5104-29-01	1	ASSY - FILLED RESIN SEAL
36A	58752-2	1	2:1 FLOW RESTRICTOR
36B	58752-3	1	3:1 FLOW RESTRICTOR
36C	58752-4	1	4:1 FLOW RESTRICTOR
36D	58752-5	1	5:1 FLOW RESTRICTOR
36E	58752-6	1	6:1 FLOW RESTRICTOR
36F	58752-7	1	7:1 FLOW RESTRICTOR
36G	58752-8	1	8:1 FLOW RESTRICTOR
36H	58752-9	1	9:1 FLOW RESTRICTOR
36J	58752-10	1	10:1 FLOW RESTRICTOR

1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.

FIGURE 1-1





MAGNUM VENUS PRODUCTS

PRO DUO 1:1 GUN BLOCK

CPD-5100

REV - 05/11/06 BT2



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PRO DUO 1:1 GUN BLOCK CPD-5100

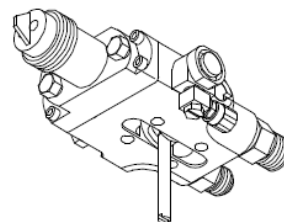
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	02441	2	SEAL
2	02959-5	4	SOCKET HEAD CAP SCREW
3	03199	2	BALL
4	04319	2	SPRING
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	5104-9-1	2	RESIN FITTING
11	5104-10-1	1	CENTER SPACER
12	5104-11-1	1	ACTUATING STEM
13	5104-21-1	2	FLUSH VALVE SPLIT SEAL
14	5104-22-1	2	FLUSH VALVE NECK
15	5104-23-1	2	FLUSH SEAL BODY
16	5104-24-1	2	FLUSH VALVE BODY
17	5104-25-1	2	FLUSH VALVE BUTTON
18	5104-26-1	2	FLUSH VALVE SEAL
20	7102-5-6	2	SCREW
21	O-E-007	2	O - RING *DO NOT GREASE THIS O-RING*
22	O-E-008	2	O - RING *DO NOT GREASE THIS O-RING*
23	O-E-3-904	2	O - RING
24	7304-3-1	4	NYLON SEAL
25	7701-2-1	2	HOSE CLAMP
26	7701-6-1	2	ELBOW FITTING
27	7701-6-3	2	BARB FITTING
29	9203-2-3	2	SPRING
30	58691-1	1	1:1 GUN BLOCK
31	DUO-4101	1	MIX HOUSING
32	58693-1	1	VALVE ROD
33	58694-1	2	FACE SEAL
34	58695-1	2	PLUG SEAL
35	58696-1	2	PLUG
36	58752-4	1	FLOW RESTRICTOR

OPTIONAL PARTS AND ASSEMBLIES

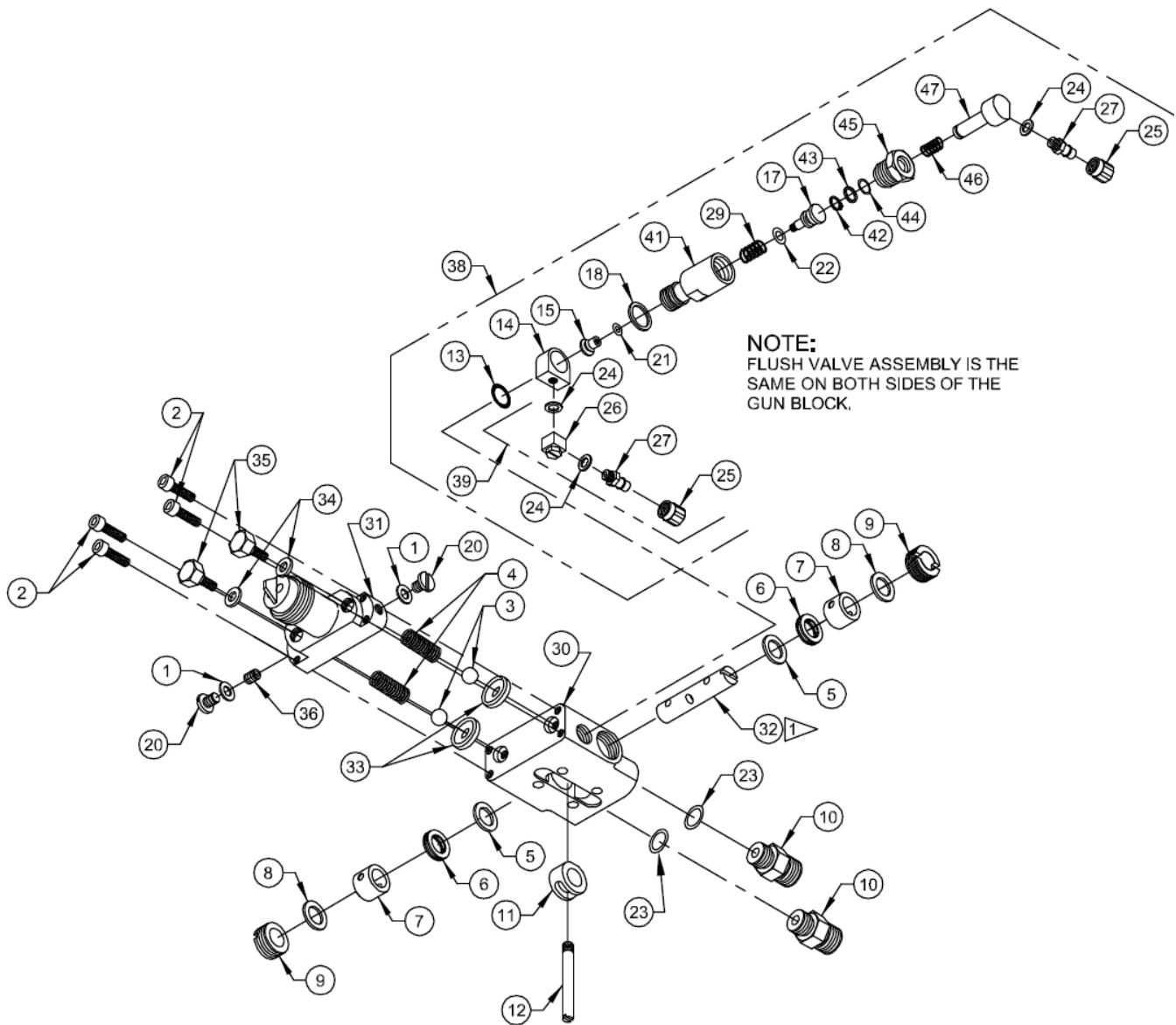
ITEM	PART NO.	QTY	DESCRIPTION
38	5104-01-01	1	ASSY - FLUSH VALVE
39	5104-02-02	1	ASSY - FLUSH ELBOW
7A	5104-29-01	1	ASSY - FILLED RESIN SEAL
36A	58752-2	1	2:1 FLOW RESTRICTOR
36B	58752-3	1	3:1 FLOW RESTRICTOR
36C	58752-4	1	4:1 FLOW RESTRICTOR
36D	58752-5	1	5:1 FLOW RESTRICTOR
36E	58752-6	1	6:1 FLOW RESTRICTOR
36F	58752-7	1	7:1 FLOW RESTRICTOR
36G	58752-8	1	8:1 FLOW RESTRICTOR
36H	58752-9	1	9:1 FLOW RESTRICTOR
36J	58752-10	1	10:1 FLOW RESTRICTOR

FIGURE 1-1



1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.





MAGNUM VENUS PLASTECH

AUTOMATIC PRO 1:1 GUN BLOCK CPD-5100-A

REV - 05/11/06 BT2
REV A - ITEM 24 WAS QTY. 4 09/30/08 BT2



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ASSEMBLY - 1:1 GUN BLOCK CPD-5100-A

PARTS LIST

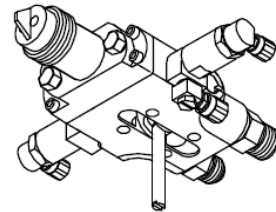
ITEM	PART NO.	QTY	DESCRIPTION
1	02441-1	2	SEAL
2	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW
3	03199	2	BALL
4	04319	2	SPRING
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	5104-9-1	2	RESIN FITTING
11	5104-10-1	1	CENTER SPACER
12	5104-11-1	1	ACTUATING STEM
13	5104-21-1	2	FLUSH VALVE SPLIT SEAL
14	5104-22-1	2	FLUSH VALVE NECK
15	5104-23-1	2	FLUSH SEAL BODY
17	5104-25-1	2	FLUSH VALVE BUTTON
18	5104-26-1	2	FLUSH VALVE SEAL
20	F-BHCS-04C-06	2	SCREW
21	O-E-007	2	O - RING *DO NOT GREASE THIS O-RING*
22	O-E-008	2	O - RING *DO NOT GREASE THIS O-RING*
23	O-E-3-904	2	O - RING
24	7304-3-1	6	NYLON SEAL
25	7701-2-1	4	HOSE CLAMP
26	TRU-1021	2	ELBOW FITTING
27	7701-6-3	4	BARB FITTING
29	9203-2-3	2	SPRING
30	58691-1	1	1:1 GUN BLOCK
31	DUO-4101	1	MIX HOUSING
32	58693-1	1	VALVE ROD
33	58694-1	2	FACE SEAL
34	58695-1	2	PLUG SEAL
35	58696-1	2	PLUG
36	58752-4	1	FLOW RESTRICTOR
41	58681-1	2	FLUSH VALVE BODY
42	00973	2	GRIP RING
43	58718-1	2	BACK UP RING
44	O-B-010	2	O-RING
45	58717-1	2	MANUAL / AUTO FLUSH BODY
46	04356	2	SPRING
47	58716-1	2	PUSH STEM

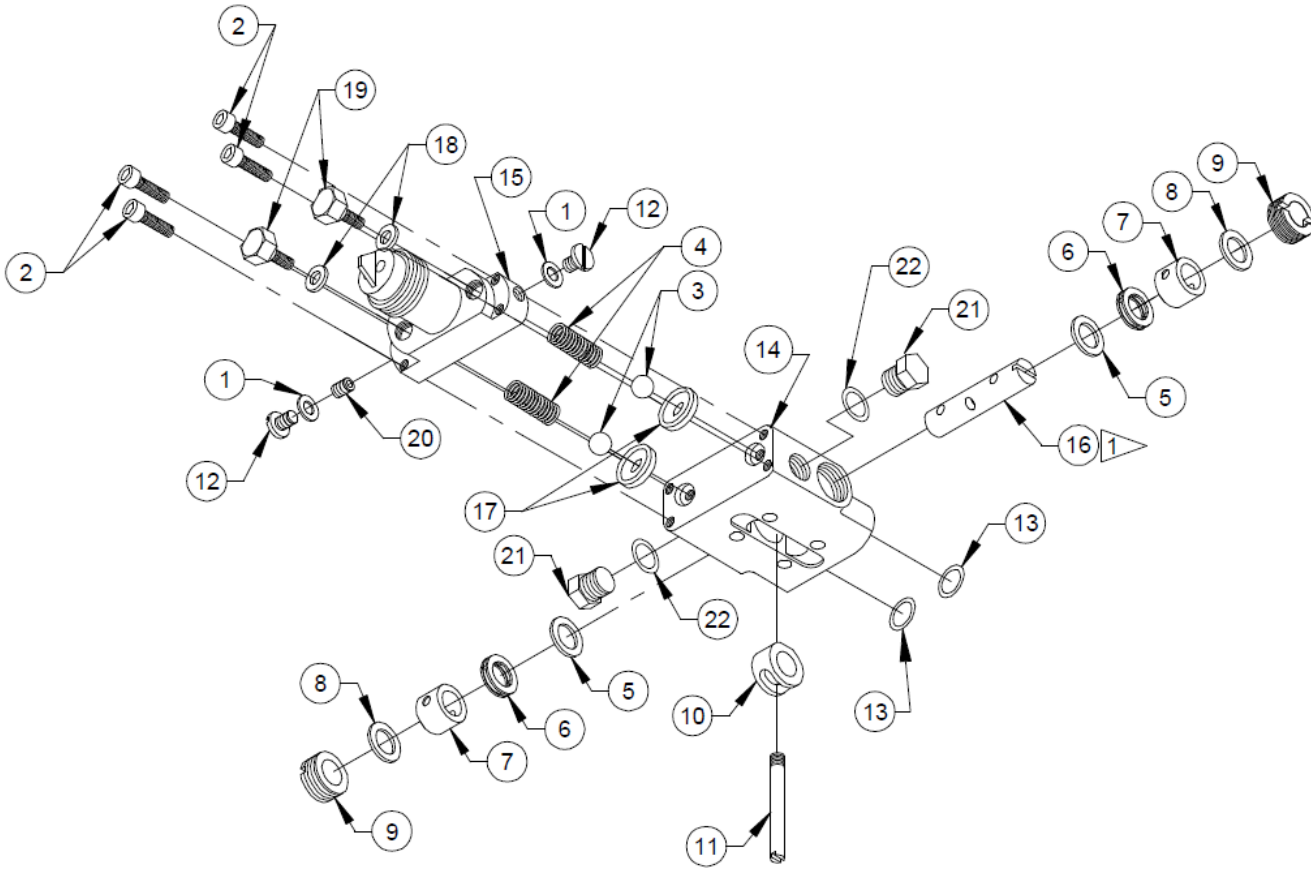
OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
38	58742-1	2	ASSY - FLUSH VALVE
39	5104-02-01	2	ASSY - FLUSH ELBOW
15A	5104-29-01	1	ASSY - FILLED RESIN SEAL
36A	58752-2	1	2:1 FLOW RESTRICTOR
36B	58752-3	1	3:1 FLOW RESTRICTOR
36C	58752-4	1	4:1 FLOW RESTRICTOR
36D	58752-5	1	5:1 FLOW RESTRICTOR
36E	58752-6	1	6:1 FLOW RESTRICTOR
36F	58752-7	1	7:1 FLOW RESTRICTOR
36G	58752-8	1	8:1 FLOW RESTRICTOR
36H	58752-9	1	9:1 FLOW RESTRICTOR
36J	58752-10	1	10:1 FLOW RESTRICTOR

1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.

FIGURE 1-1





MAGNUM VENUS PRODUCTS

PRO DUO 1:1 GUN BLOCK

CPD-5100-SILO

REV - 05/14/07 BT2
REV A - ITEMS 10 AND 11 WERE QTY. OF 2 07/03/07 BT2



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PRO DUO 1:1 GUN BLOCK CPD-5100-SILO

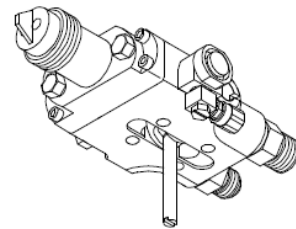
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	02441-1	2	SEAL
2	F-CS-832-10-GR8	4	CAP SCREW
3	03199	2	BALL
4	04319	2	SPRING
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	5104-10-1	1	CENTER SPACER
11	5104-11-1	1	ACTUATING STEM
12	F-BHCS-04C-06	2	SCREW
13	O-E-3-904	2	O-RING
14	58691-1	1	1:1 GUN BLOCK
15	DUO-4101	1	MIX HOUSING
16	58693-1	1	VALVE ROD
17	58694-1	2	FACE SEAL
18	58695-1	2	PLUG SEAL
19	58696-1	2	PLUG
20	58752-4	1	FLOW RESTRICTOR
21	F-SP-07F	2	SS PLUG
22	O-S-012	2	O-RING

OPTIONAL PARTS AND ASSEMBLIES

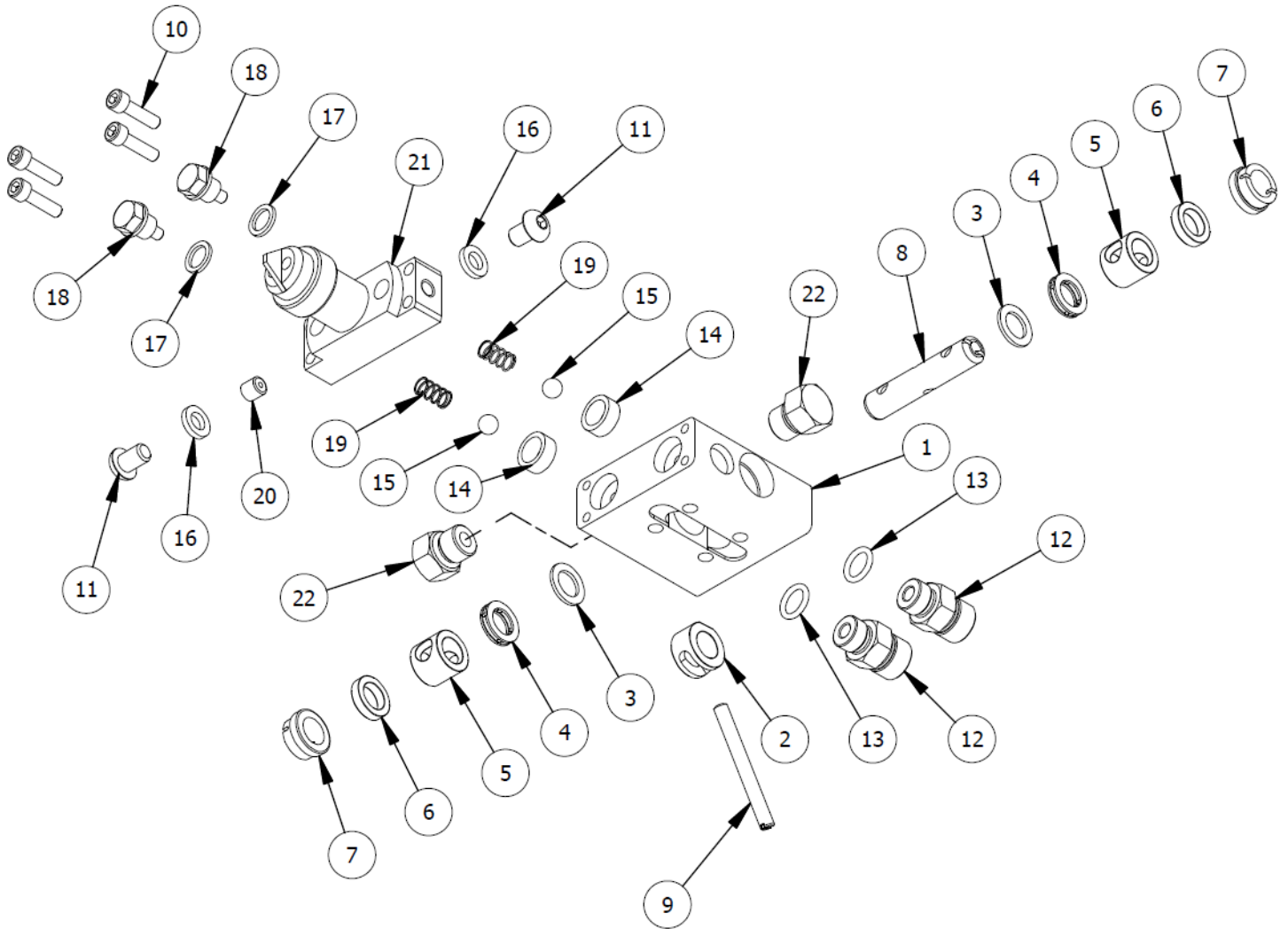
ITEM	PART NO.	QTY	DESCRIPTION
20A	58752-2	1	2:1 FLOW RESTRICTOR
20B	58752-3	1	3:1 FLOW RESTRICTOR
20C	58752-4	1	4:1 FLOW RESTRICTOR
20D	58752-5	1	5:1 FLOW RESTRICTOR
20E	58752-6	1	6:1 FLOW RESTRICTOR
20F	58752-7	1	7:1 FLOW RESTRICTOR
20G	58752-8	1	8:1 FLOW RESTRICTOR
20H	58752-9	1	9:1 FLOW RESTRICTOR
20J	58752-10	1	10:1 FLOW RESTRICTOR

FIGURE 1-1



1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.





MAGNUM VENUS PLASTECH

PRO DUO GUN BLOCK

CPD-5100-SNZ

REV:

SHEET 1 / 2

3/18/2010



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Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	58691-1	1	1:1 GUN HEAD
2	5104-10-1	1	CENTER SPACER
3	5104-3-1	2	SECONDARY SEAL
4	5104-4-1	2	RELIEF SPACER
5	5104-5-1	2	RESIN SEAL
6	5104-7-1	2	PACKING RING
7	5104-8-1	2	PACKING NUT
8	58693-1	1	VALVE ROD
9	5104-11-1	1	ACTUATING STEM
10	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW
11	F-BHCS-04C-06	2	BUTTON HEAD CAP SCREW
12	5104-9-1	2	RESIN FITTING
13	O-E-3-904	2	O-RING
14	58694-1	2	CHECK FACE SEAL
15	03199	2	SS BALL
16	02441-1	2	SEAL - GUN HEAD PLUG
17	58695-1	2	PLUG SEAL
18	58696-1	2	PLUG
19	04319	2	COMPRESSION SPRING
20	58752-4	1	FLOW RESTRICTOR
21	DUO-4101	1	1:1 MIXER ADAPTER
22	F-SP-07F	2	SOLVENT PLUG

OPTIONAL PARTS

PART NUMBER	QTY	DESCRIPTION
O-E-012	2	O-RING (REPLACES BLACK O-RING ON F-SP-07F) THIS IS INCLUDED IN CPD-5000-SNZ-RK KIT

MAGNUM VENUS PLASTECH

PRO DUO GUN BLOCK

CPD-5100-SNZ

REV:

SHEET 2 / 2

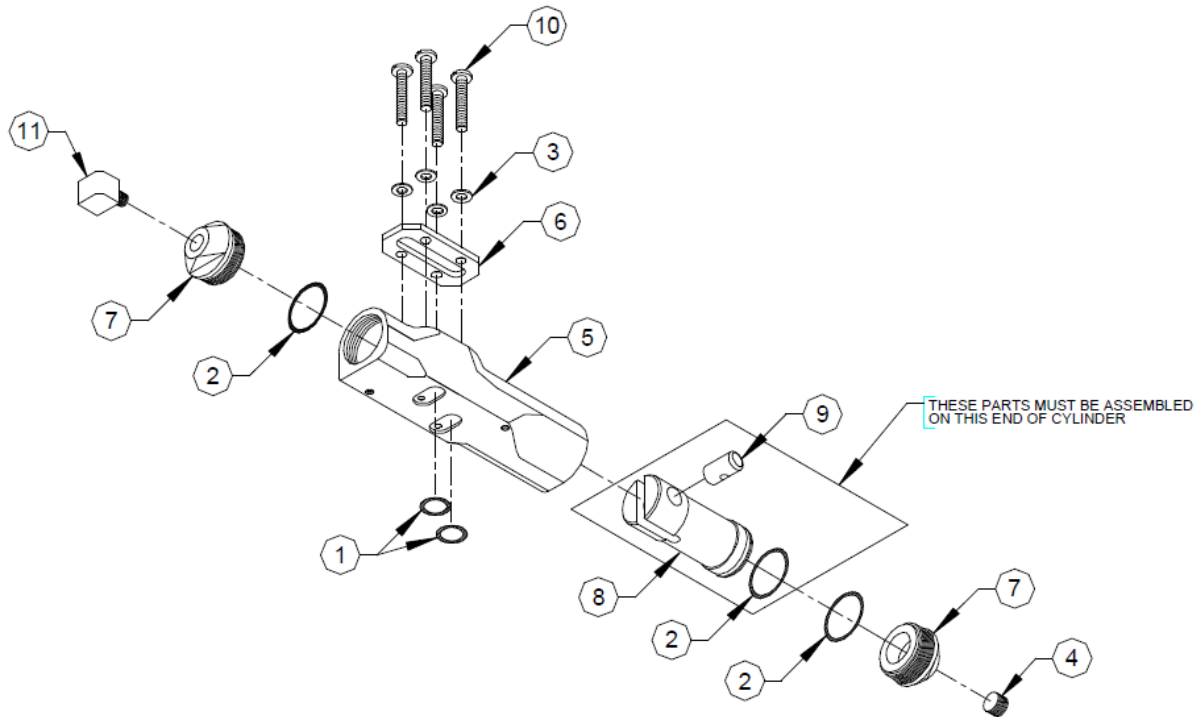
3/18/2010



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MAGNUM VENUS PRODUCTS

Pro Series Automatic Gun Actuator

CPD-5200-SILO

REV. - 08/15/07 BT2



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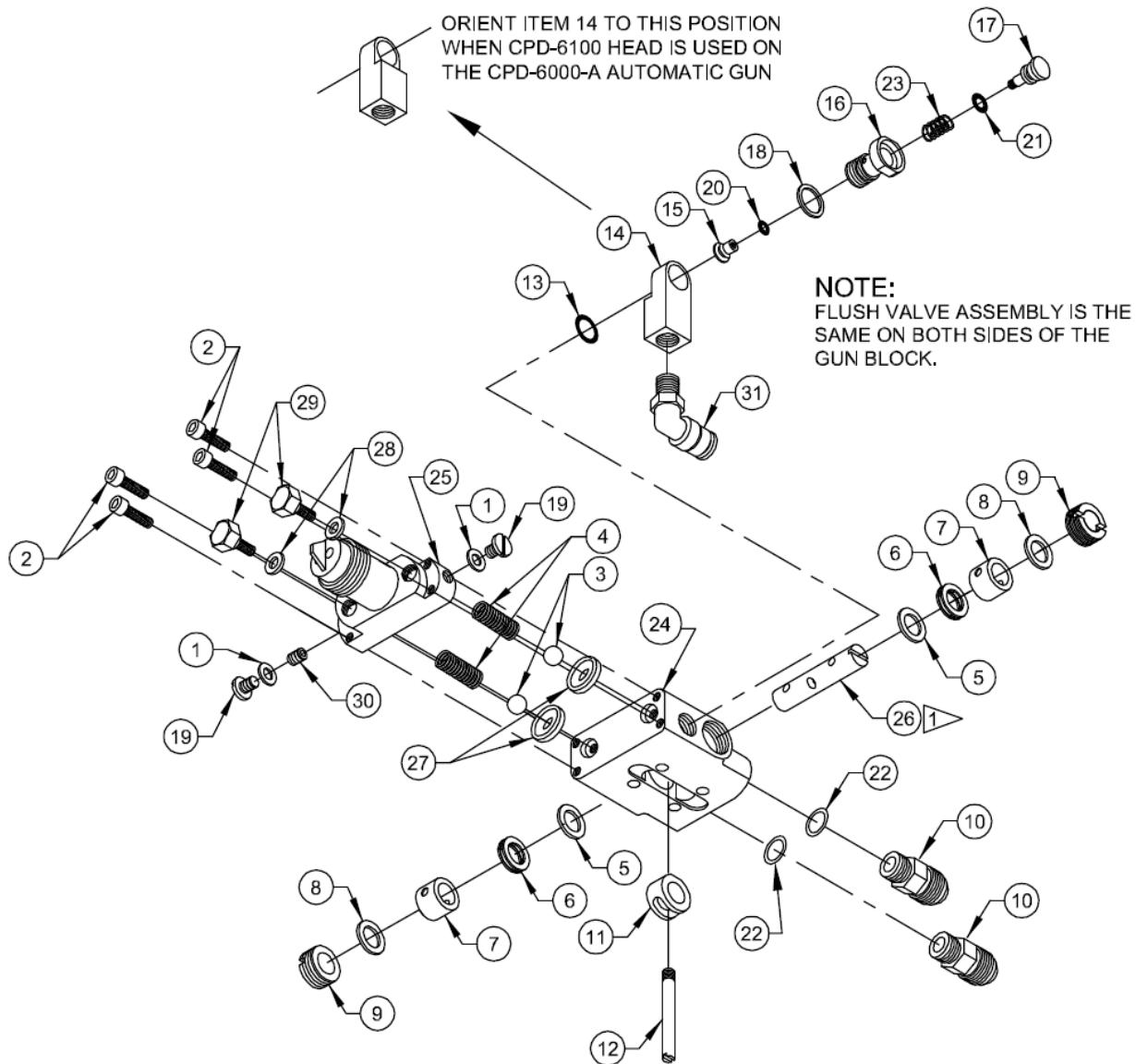
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Pro Series Gun Actuator CPD-5200-SILO

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	O-V-013	2	O-RING
2	O-V-020	3	O-RING
3	5106-3-1	4	MOUNTING SEAL
4	PF-AP-02	1	ALLEN PLUG
5	58631-1	1	CYLINDER BODY ASSY
6	5106-2-1	1	ACTUATOR SEAL
7	5106-4-1	2	CYLINDER CAP
8	5106-7-1	1	ACTUATING PISTON
9	5106-5-1	1	BUSHING
10	5106-6-1	4	MOUNTING SCREW
11	PF-SE-02-BR	1	STREET ELBOW





MAGNUM VENUS PLASTECH

PRO DUO 1:1 GUN BLOCK

CPD-6100

REV - 03/12/08 BT2
REV A - ADDED ORIENTATION NOTE FOR ITEM 14 TO DRAWING 12/05/08 BT2

PRO DUO 1:1 GUN BLOCK CPD-6100

PARTS LIST

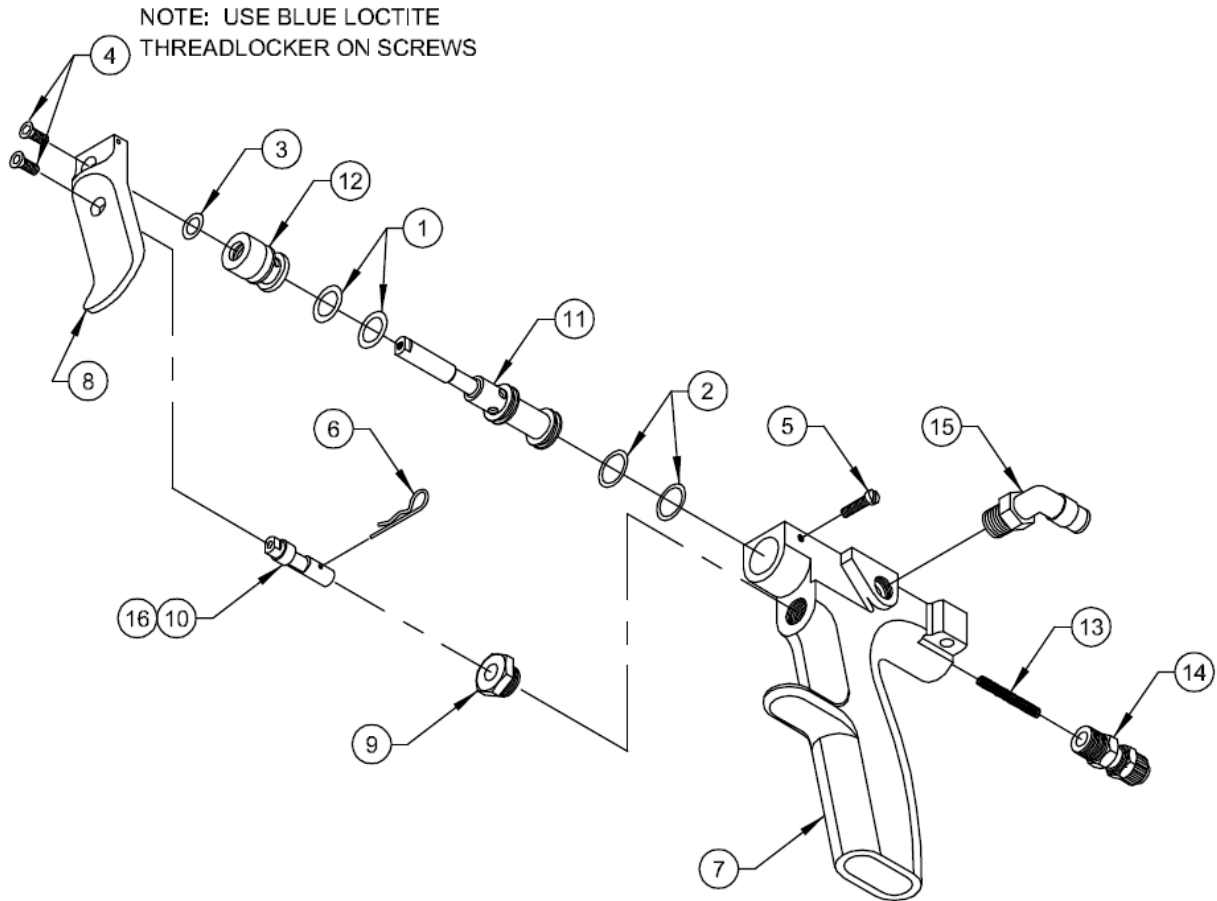
ITEM	PART NO.	QTY	DESCRIPTION
1	02441-1	2	SEAL
2	F-CS-832-10-GR8	4	CAP SCREW
3	03199	2	BALL
4	04319	2	SPRING
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	VP-1066	2	INLET FITTING
11	5104-10-1	1	CENTER SPACER
12	5104-11-1	1	ACTUATING STEM
13	5104-21-1	2	FLUSH VALVE SPLIT SEAL
14	5104-22-2	2	FLUSH VALVE NECK
15	5104-23-1	2	FLUSH VALVE SEAL BODY
16	5104-24-1	2	FLUSH VALVE BODY
17	5104-25-1	2	FLUSH VALVE BUTTON
18	5104-26-1	2	FLUSH VALVE SEAL
19	7102-5-6	2	SCREW
20	O-E-007	2	O-RING *DO NOT GREASE THIS O-RING*
21	O-E-008	2	O-RING *DO NOT GREASE THIS O-RING*
22	O-E-3-904	2	O-RING
23	9203-2-3	2	SPRING
24	58691-1	1	1:1 GUN BLOCK
25	DUO-4101	1	MIX HOUSING
26	58693-1	1	VALVE ROD
27	58694-1	2	FACE SEAL
28	58695-1	2	PLUG SEAL
29	58696-1	2	PLUG
30	58752-4	1	4:1 FLOW RESTRICTOR
31	MPH-2539	2	POLY ELBOW

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
7A	5104-29-01	1	ASSY - FILLED RESIN SEAL
30A	58752-2	1	2:1 FLOW RESTRICTOR
30B	58752-3	1	3:1 FLOW RESTRICTOR
30C	58752-5	1	5:1 FLOW RESTRICTOR
30D	58752-6	1	6:1 FLOW RESTRICTOR
30E	58752-7	1	7:1 FLOW RESTRICTOR
30F	58752-8	1	8:1 FLOW RESTRICTOR
30G	58752-9	1	9:1 FLOW RESTRICTOR
30H	58752-10	1	10:1 FLOW RESTRICTOR

1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.





MAGNUM VENUS PLASTECH

Pro Handle Assembly - 1:1 Adhesive

CPD-6300

REV. 03-12-08 BT2
REV. A - ADDED ITEMS 9A AND 10A TO OPTIONAL EQUIPMENT 01-25-11 BT2
REV. B - ITEM 2 WAS O-U-012 05-09-11 BT2

Pro Handle Assy - 1:1 Adhesive CPD-6300

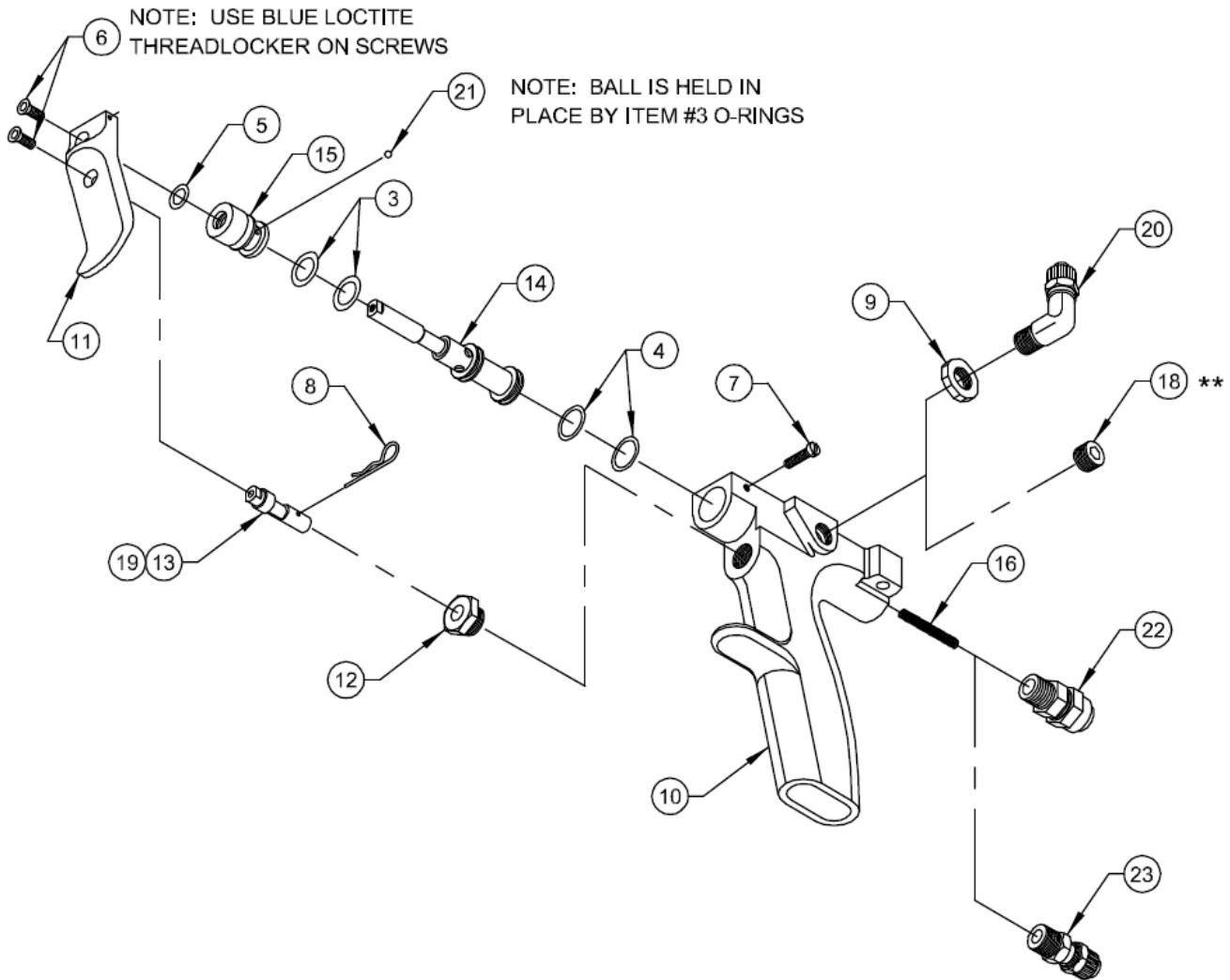
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	O-U-109	2	O-RING
2	O-U-011	2	O-RING
3	O-D-010	1	O-RING
4	02647-3	2	FLAT HEAD TORX SCREW
5	F-FS-540-08	1	SLOTTED FILLISTER HEAD SCREW
6	02970	1	HAIRPIN COTTER
7	58624-1	1	PRO GUN HANDLE
8	58625-1	1	PRO GUN TRIGGER
9	58628-1	1	TRIGGER GUIDE BUSHING
10	58629-1	1	TRIGGER GUIDE PIN
11	58647-1	1	TRIGGER VALVE ASSY
12	58648-1	1	TRIGGER RETAINER
13	04017	1	SPRING
14	5102-1-1	1	POLY FITTING
15	PTF90-02-02	1	POLY ELBOW

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
9A	58628-1-SS	1	TRIGGER GUIDE BUSHING (STAINLESS)
10A	58629-1-SS	1	TRIGGER GUIDE PIN (STAINLESS)
16	58629-3	1	TRIGGER GUIDE PIN (NON LOCKING)





NOTE: ITEM 21 MAY BE REMOVED ON GUNS WHEN STAGED TRIGGER IS NOT DESIRED (GELCOAT, WETOUT)

** Pipe Plug 09990 Is used on Hydrajectors, Saturators and Casting units without special valving.

MAGNUM VENUS PLASTECH

Chopper Handle Assembly - Pro Gun
Gelcoat Handle Assembly - Pro Gun

58603-1

58603-3

REV. G = ITEM 4 WAS O-U-011 03/12/08 BT2
REV. H = ADDED NOTE FOR ITEM 21, ADDED CPG-1007-CK TO OPTIONAL EQUIPMENT 04/28/09 BT2
REV. I = ADDED ITEMS 12A AND 13A TO OPTIONAL EQUIPMENT 01/25/11 BT2
REV. J = ITEM 4 WAS O-U-012 05/09/11 BT2



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Common Assembly Parts For
Chopper Handle Assy - Pro Gun 58603-1
Gelcoat Handle Assy - Pro Gun 58603-3

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
3	O-U-109	2	O-RING
4	O-U-011	2	O-RING
5	O-D-010	1	O-RING
6	02647-3	2	FLAT HEAD TORX SCREW
7	F-FS-540-08	1	SLOTTED FILLISTER HEAD SCREW
8	02970	1	HAIRPIN COTTER
10	58624-1	1	PRO GUN HANDLE
11	58625-1	1	PRO GUN TRIGGER
12	58628-1	1	TRIGGER GUIDE BUSHING
13	58629-1	1	TRIGGER GUIDE PIN
14	58647-1	1	TRIGGER VALVE ASSY
15	58648-1	1	TRIGGER RETAINER
16	04017	1	SPRING
21	03198	1	1/8" CHROME BALL

Chopper Handle Assy - Pro Gun 58603-1

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
9	05500	1	PIPE THREAD SEAL
20	7701-6-18	1	MALE POLY ELBOW
22	00003-1	1	STRAIGHT POLY FITTING

Gelcoat Handle Assy - Pro Gun 58603-3

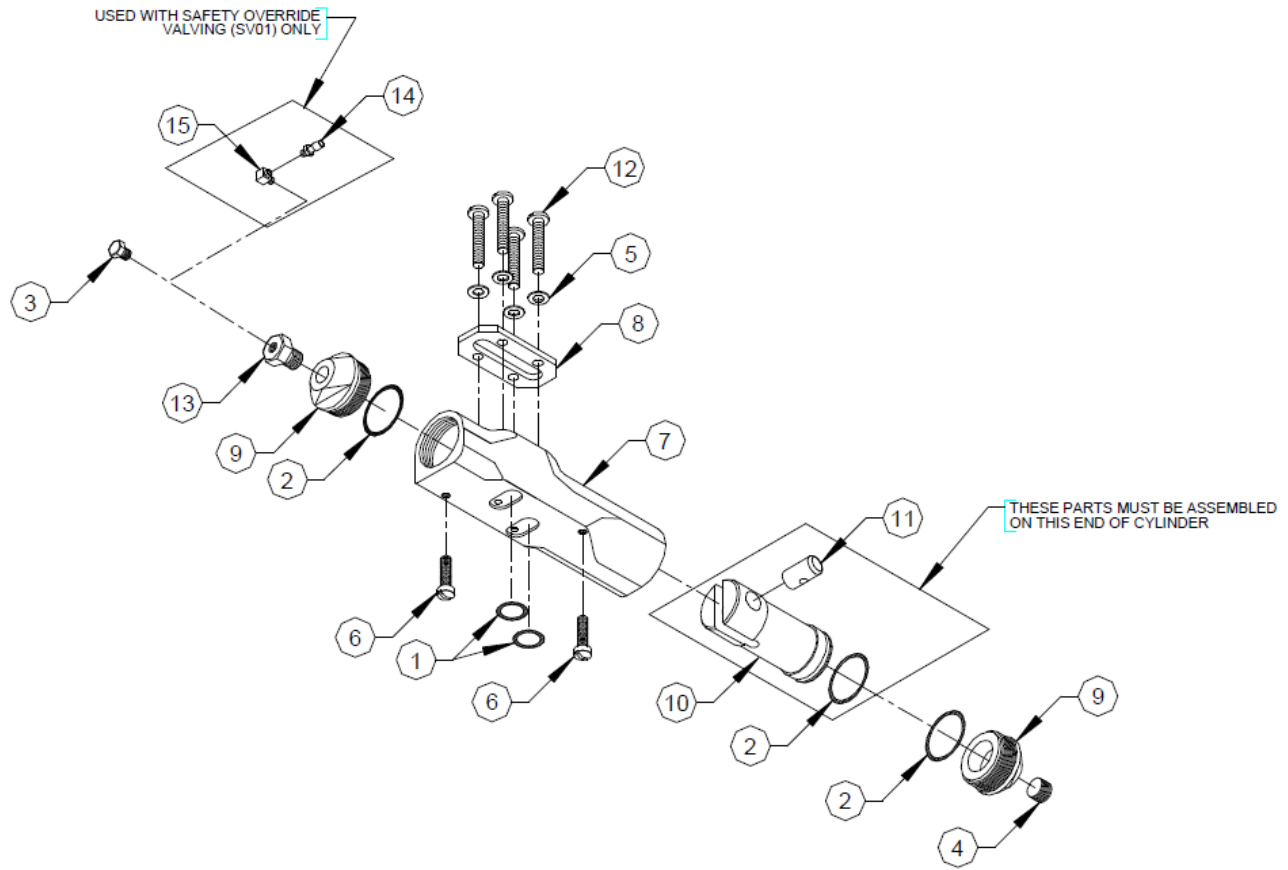
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
18	PF-AP-02	1	PIPE PLUG
23	5102-1-1	1	STRAIGHT POLY FITTING

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
12A	58628-1-SS	1	TRIGGER GUIDE BUSHING (STAINLESS)
13A	58629-1-SS	1	TRIGGER GUIDE PIN (STAINLESS)
19	58629-3	1	TRIGGER GUIDE PIN (NON LOCKING)
	CPG-1007-CK	1	TRIGGER UPGRADE CONVERSION KIT





MAGNUM VENUS PLASTECH

Pro Series Gun Actuator Assembly

58604-1

Pro Series Gun Actuator Assembly with Signal

58604-1-S

REV. A = ADDED 58604-1-S ACTUATOR TO DRAWING 09/14/05
 REV. B = UPDATED ITEMS 1,2, AND 3 TO ALPHA-NUMERIC, ITEM 14 WAS 7701-6-7 03/28/08 BT2

Pro Series Gun Actuator Assembly 58604-1

COMMON PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	O-V-013	2	O-RING
2	O-V-020	3	O-RING
4	PF-AP-02	1	1/8" PIPE PLUG
5	5106-3-1	4	MOUNTING SEAL
6	58626-1	2	MOUNTING SCREW
7	58631-1	1	CYLINDER BODY ASSY
8	5106-2-1	1	ACTUATOR SEAL
9	5106-4-1	2	CYLINDER CAP
10	5106-7-1	1	ACTUATING PISTON
11	5106-5-1	1	BUSHING
12	5106-6-1	4	MOUNTING SCREW
13	5102-2-1	1	SCREW - TRIGGER

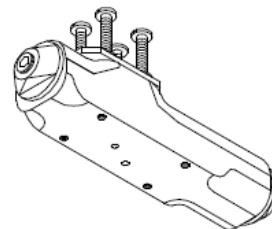
Actuator Assembly 58604-1

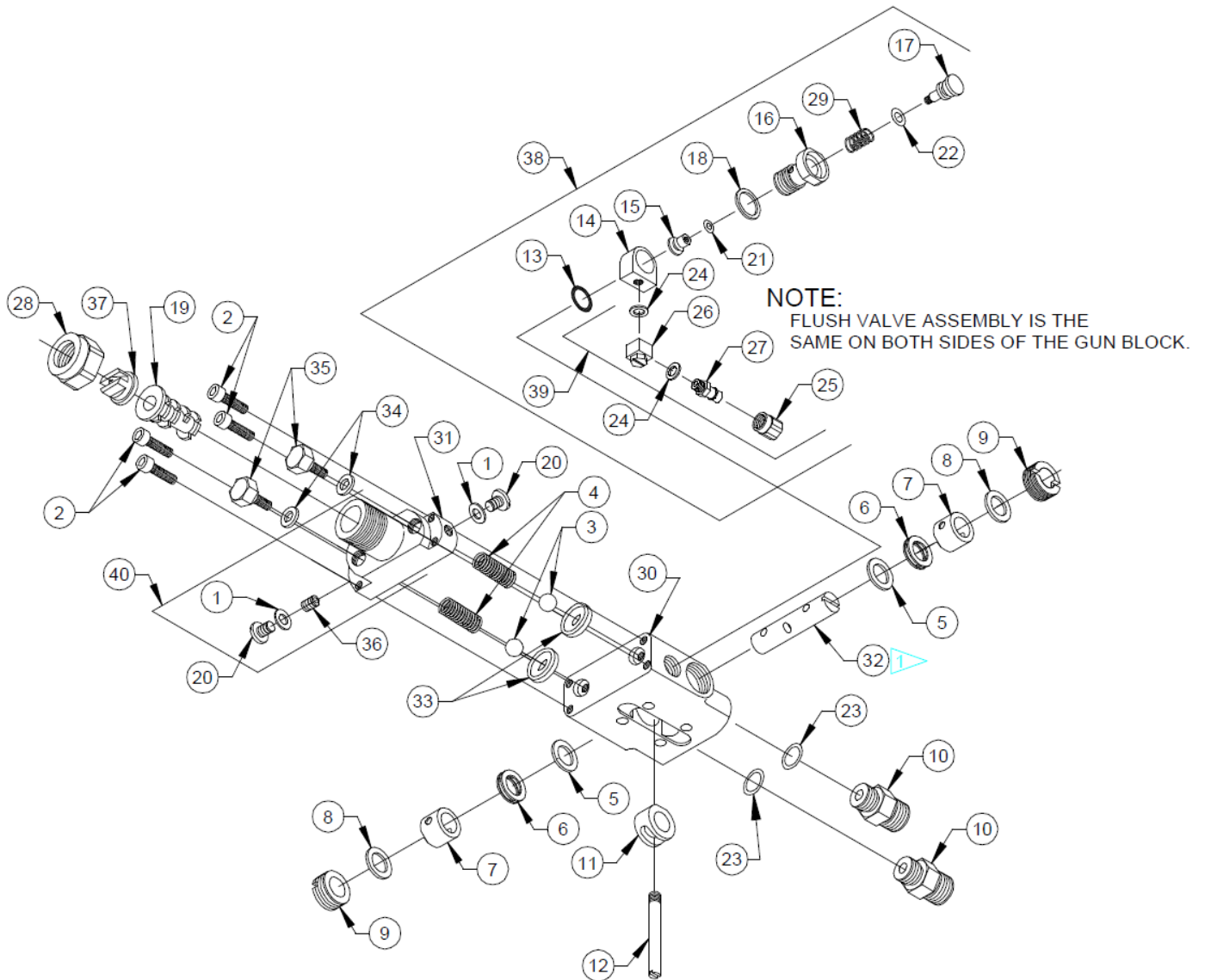
ITEM	PART NO.	QTY	DESCRIPTION
3	7701-4-6	1	HEX HEAD PLUG

Actuator Assembly w/ Signal 58604-1-S

ITEM	PART NO.	QTY	DESCRIPTION
14	7701-6-3	1	BARBED FITTING
15	7701-6-1	1	ELBOW

FIGURE 1-1





MAGNUM VENUS PRODUCTS

ASSEMBLY - 1:1 GUN BLOCK

58751-1

REV B = FIXED FLUSH VALVE, WAS WRONG QTY
REV C = ITEM 22 WAS O-S-008A
REV D = MOVED SLOT TO OPPOSITE END OF SPOOL, ITEM 32

8/5/04 JEM

D58751-1 REV. C 08/02/04



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ASSEMBLY - 1:1 GUN BLOCK 58751-1

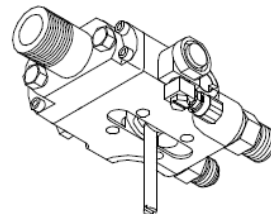
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	02441	2	SEAL
2	02959-5	4	SOCKET HEAD CAP SCREW
3	03199	2	BALL
4	04319	2	SPRING
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	5104-9-1	2	RESIN FITTING
11	5104-10-1	1	CENTER SPACER
12	5104-11-1	1	ACTUATING STEM
13	5104-21-1	2	FLUSH VALVE SPLIT SEAL
14	5104-22-1	2	FLUSH VALVE NECK
15	5104-23-1	2	FLUSH SEAL BODY
16	5104-24-1	2	FLUSH VALVE BODY
17	5104-25-1	2	FLUSH VALVE BUTTON
18	5104-26-1	2	FLUSH VALVE SEAL
19	5107-27-1	1	TURBULENT MIXER
20	7102-5-6	2	SCREW
21	O-E-007	2	O - RING *DO NOT GREASE THIS O-RING*
22	O-E-008	2	O - RING *DO NOT GREASE THIS O-RING*
23	7301-14-904	2	O - RING
24	7304-3-1	4	NYLON SEAL
25	7701-2-1	2	HOSE CLAMP
26	7701-6-1	2	ELBOW FITTING
27	7701-6-3	2	BARB FITTING
28	8704-4-4	1	NOZZLE CAP
29	9203-2-3	2	SPRING
30	58691-1	1	1:1 GUN BLOCK
31	58692-3	1	MIX HOUSING
32	58693-1	1	VALVE ROD
33	58694-1	2	FACE SEAL
34	58695-1	2	PLUG SEAL
35	58696-1	2	PLUG
36	58752-4	1	FLOW RESTRICTOR
37	T-002652C	1	SPRAY NOZZLE

OPTIONAL PARTS AND ASSEMBLIES

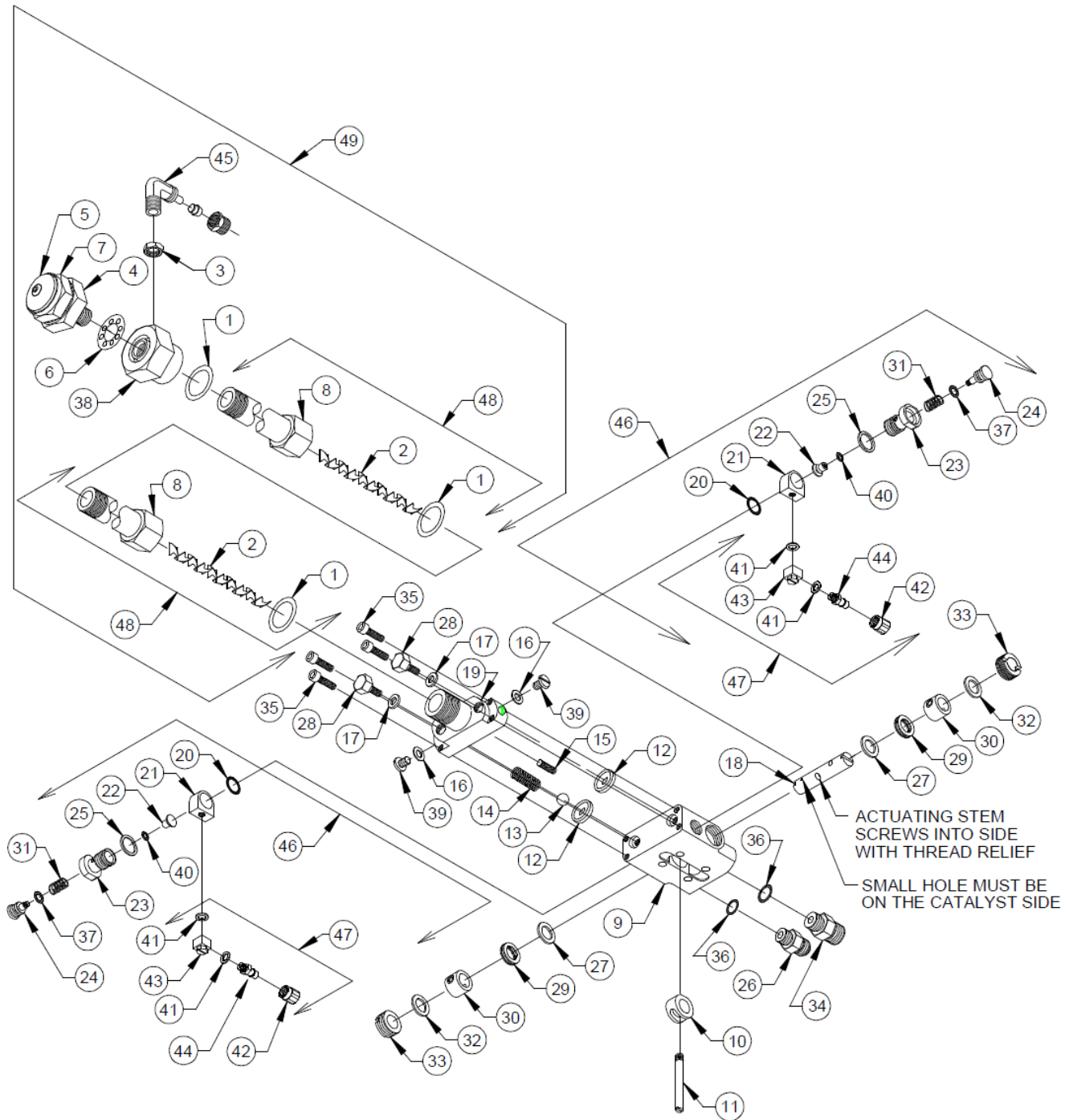
ITEM	PART NO.	QTY	DESCRIPTION
38	5104-01-01	1	ASSY - FLUSH VALVE
39	5104-02-02	1	ASSY - FLUSH ELBOW
40	58692-1	1	ASSY - MIX HOUSING
15A	5104-29-01	1	ASSY - FILLED RESIN SEAL
36A	58752-2	1	2:1 FLOW RESTRICTOR
36B	58752-3	1	3:1 FLOW RESTRICTOR
36C	58752-4	1	4:1 FLOW RESTRICTOR
36D	58752-5	1	5:1 FLOW RESTRICTOR
36E	58752-6	1	6:1 FLOW RESTRICTOR
36F	58752-7	1	7:1 FLOW RESTRICTOR
36G	58752-8	1	8:1 FLOW RESTRICTOR
36H	58752-9	1	9:1 FLOW RESTRICTOR
36J	58752-10	1	10:1 FLOW RESTRICTOR

FIGURE 1-1



1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.





MAGNUM VENUS PRODUCTS

GUN BLOCK ASSEMBLY - BPO PUTTY UNIT 58761-1

REV. A = D58761-1 WAS 12502-1
REV. B = ADDED 50058-1 ITEM 49 TO DWG. 9/20/02 JEM

D58761-1 REV. A 8-17-01



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GUN BLOCK ASSY - BPO PUTTY UNIT 58761-1

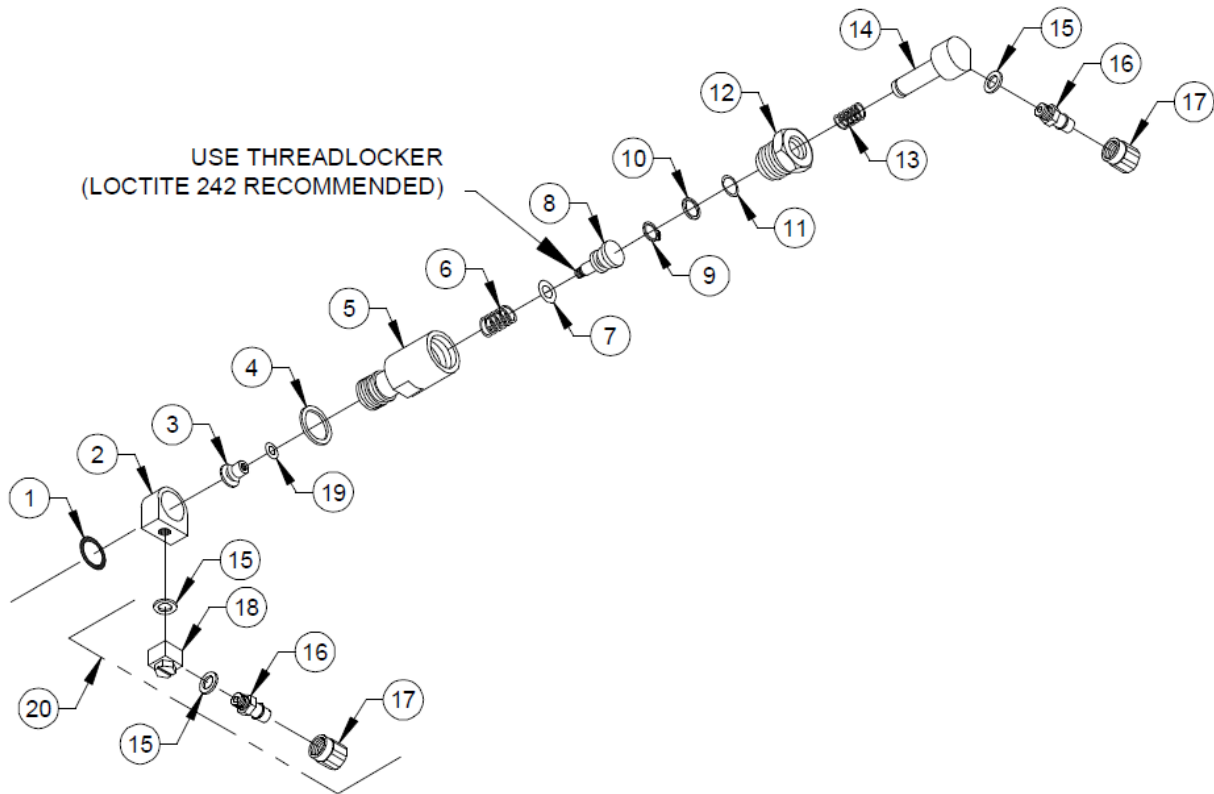
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	02030-1	3	SEAL
2	05244	2	3/8" STATIC MIXER
3	05500	1	PIPE THREAD SEAL
4	06284	1	FLUID CAP
5	06285	1	AIR CAP
6	06286	1	SEAL
7	06291	1	RETAINER RING
8	50056-1	2	MIXER HOUSING
9	58691-1	1	GUN BLOCK
10	5104-10-1	1	CENTER SPACER
11	5104-11-1	1	ACTUATING STEM
12	58694-1	2	CHECK FACE SEAL
13	03199	1	1/4" SS BALL
14	04319	1	SPRING
15	58752-4	1	FLOW RESTRICTOR BODY
16	02441-1	2	SEAL - GUN HEAD PLUG
17	58695-1	2	PLUG SEAL
18	58693-1	1	VALVE ROD
19	58692-3	1	MIX HOUSING
20	5104-21-1	2	FLUSH VALVE SPLIT SEAL
21	5104-22-1	2	FLUSH VALVE NECK
22	5104-23-1	2	FLUSH SEAL BODY
23	5104-24-1	2	FLUSH VALVE BODY
24	5104-25-1	2	FLUSH VALVE BUTTON
25	5104-26-1	2	FLUSH VALVE SEAL
26	58762-1	1	BPO HOSE NIPPLE
27	5104-3-1	2	SECONDARY SEAL
28	58696-1	2	PLUG
29	5104-4-1	2	SPACER
30	5104-5-1	2	RESIN SEAL
31	9203-2-3	2	COMPRESSION SPRING
32	5104-7-1	2	PACKING RING
33	5104-8-1	2	PACKING NUT
34	5104-9-1	1	RESIN FITTING
35	02959-5	4	SOCKET HEAD CAP SCREW
36	7301-14-904	2	O-RING
37	O-S-008A	2	O-RING *DO NOT GREASE THIS O-RING*
38	58763-1	1	MIX HOUSING ADAPTER
39	02663-2	2	SOCKET BUTTON HEAD CAP SCREW
40	O-S-007A	2	O-RING *DO NOT GREASE THIS O-RING*
41	7304-3-1	4	SEAL
42	7701-2-1	2	HOSE CLAMP
43	7701-6-1	2	ELBOW FITTING
44	7701-6-3	2	BARBED FITTING
45	7701-6-18	1	POLY ELBOW

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
46	5104-01-01	2	FLUSH VALVE ASSEMBLY
47	5104-02-01	2	FLUSH ELBOW ASSEMBLY
48	50055-1	2	MIXER TUBE ASSEMBLY
49	50058-1	1	MIXER HOUSING W / FITTING ASSEMBLY





MAGNUM VENUS PLASTECH

Automatic Flush Valve Assembly

58742-1

REV - 09-11-07 BT2
REV A - ADDED THREADLOCKER NOTE 10-12-08 BT2



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Automatic Flush Valve Assembly 58742-1

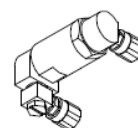
PARTS LIST

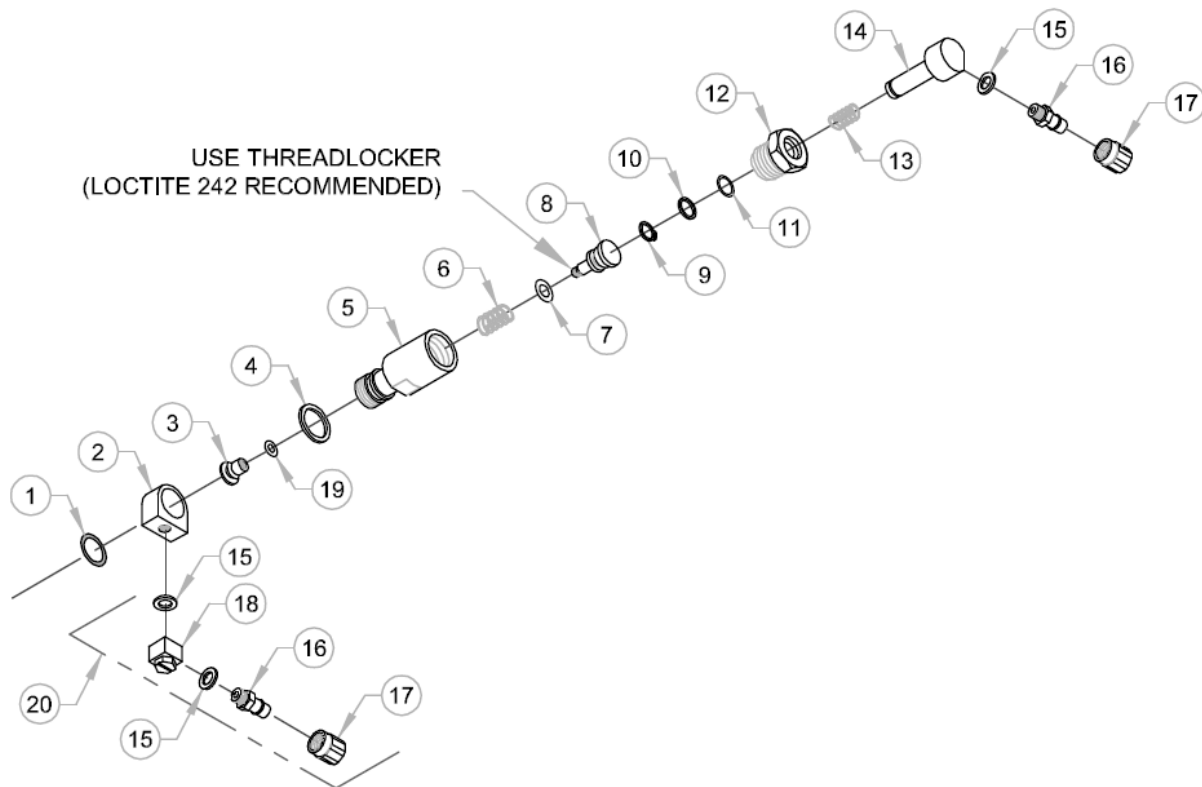
ITEM	PART NO.	QTY	DESCRIPTION
1	5104-21-1	1	FLUSH VALVE SPLIT SEAL
2	5104-22-1	1	FLUSH VALVE NECK
3	5104-23-1	1	FLUSH SEAL BODY
4	5104-26-1	1	FLUSH VALVE SEAL
5	58681-1	1	FLUSH VALVE BODY
6	9203-2-3	1	COMPRESSION SPRING
7	O-E-008	1	O-RING
8	5104-25-1	1	FLUSH VALVE BUTTON
9	00973	1	GRIP RING
10	58718-1	1	BACK UP RING
11	O-B-010	1	O-RING
12	58717-1	1	MANUAL / AUTO FLUSH BODY
13	04356	1	SPRING
14	58716-1	1	PUSH STEM
15	7304-3-1	3	NYLON SEAL
16	7701-6-3	2	BARB FITTING
17	7701-2-1	2	HOSE CLAMP
18	TRU-1021	1	ELBOW FITTING
19	O-E-007	1	O-RING

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
20	5104-02-01	1	FLUSH ELBOW ASSEMBLY

FIGURE 1-1





MAGNUM VENUS PLASTECH

Automatic Flush Valve Assembly

58742-1-INT

REV - 07-19-10 BT2

Automatic Flush Valve Assembly 58742-1-INT

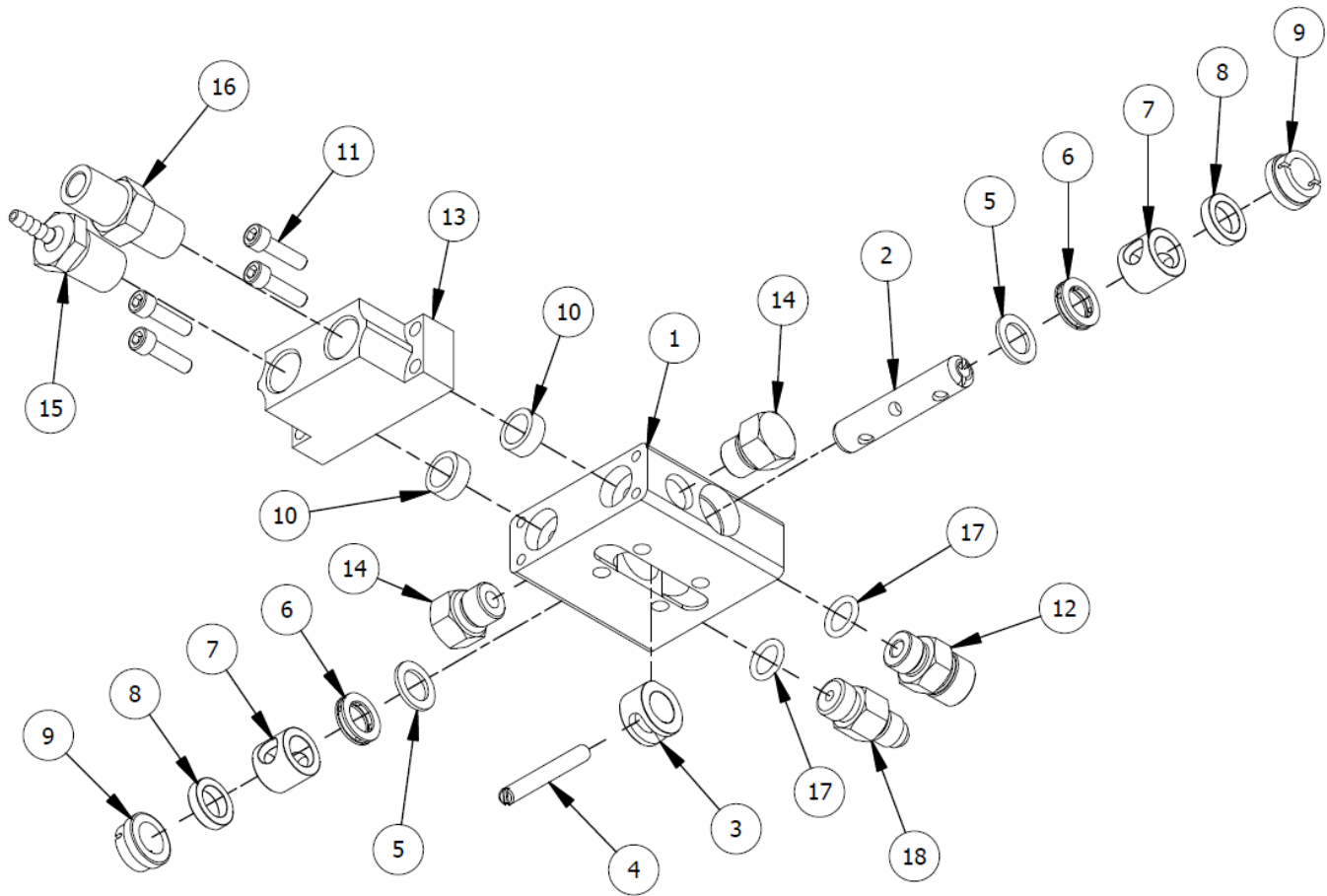
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	5104-21-1	1	FLUSH VALVE SPLIT SEAL
2	5104-22-1	1	FLUSH VALVE NECK
3	5104-23-1	1	FLUSH SEAL BODY
4	5104-26-1	1	FLUSH VALVE SEAL
5	58681-1	1	FLUSH VALVE BODY
6	9203-2-3	1	COMPRESSION SPRING
7	O-E-008	1	O-RING
8	5104-25-1	1	FLUSH VALVE BUTTON
9	00973	1	GRIP RING
10	58718-1	1	BACK UP RING
11	O-B-010	1	O-RING
12	58717-1	1	MANUAL / AUTO FLUSH BODY
13	04356	1	SPRING
14	58716-1	1	PUSH STEM
15	7304-3-1	3	NYLON SEAL
16	7701-6-3	2	BARB FITTING
17	7701-2-1	2	HOSE CLAMP
18	TRU-1021	1	ELBOW FITTING
19	O-A-007	1	O-RING

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
20	5104-02-01	1	FLUSH ELBOW ASSEMBLY





MAGNUM VENUS PLASTECH

RECIRCULATION GUN BLOCK

PRTM-RG-1100

REV:A - 08/03/10

SHEET 1 / 2

8/10/2009



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Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	58691-1	1	1:1 GUN HEAD
2	58693-1	1	VALVE ROD
3	5104-10-1	1	CENTER SPACER
4	5104-11-1	1	ACTUATING STEM
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	58694-1	2	CHECK FACE SEAL
11	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW
12	5104-9-1	1	RESIN FITTING
13	DUO-4201	1	SEPARATE STREAM BLOCK
14	F-SP-07F	2	SOLVENT PLUG
15	CPRV-1002-A	1	CPRV HOSE FITTING
16	PF-HN-04	1	HEX NIPPLE
17	O-E-3-904	2	O-RING
18	HF-07F-03J-SS	1	HOSE FITTING

MAGNUM VENUS PLASTECH

RECIRCULATION GUN BLOCK

PRTM-RG-1100

REV:A - 08/03/10

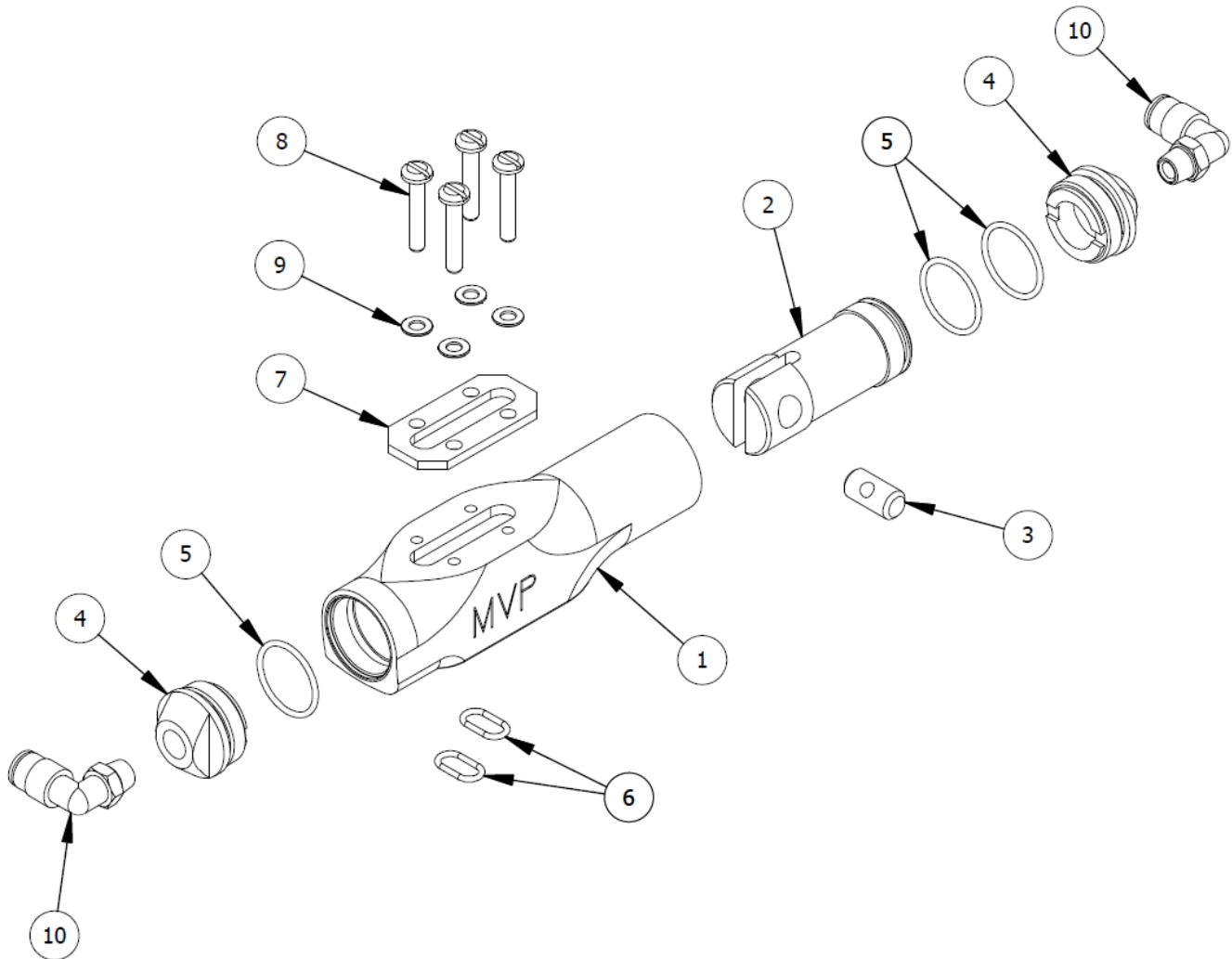
SHEET 2 / 2

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MAGNUM VENUS PLASTECH

ACTUATOR ASSEMBLY

PRTM-RG-1200-A

REV:

SHEET 1 / 2

8/10/2009



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Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	58631-1	1	CYLINDER BODY ASSY. - CLASSIC PRO
2	5106-7-1	1	ACTUATING PISTON
3	5106-5-1	1	ACTUATOR BUSHING
4	5106-4-1	2	CYLINDER CAP
5	O-V-020	3	O-RING
6	O-V-013	2	O-RING
7	5106-2-1	1	ACTUATOR SEAL
8	5106-6-1	4	MOUNTING SCREW
9	5106-3-1	4	MOUNTING SEAL
10	MPH-2539	2	MALE ELBOW

MAGNUM VENUS PLASTECH

ACTUATOR ASSEMBLY

PRTM-RG-1200-A

REV:

SHEET 2 / 2

8/10/2009







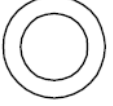

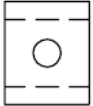

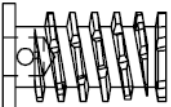







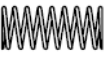



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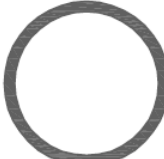
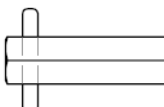









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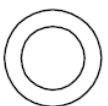

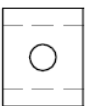



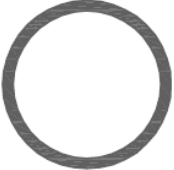








CPD-4000-A-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-B-010 O-RING	6 PCS		7304-3-1 NYLON SEAL
2 PC		O-E-007 O-RING	2 PC		5104-21-1 SPLIT SEAL
2 PC		O-E-008 O-RING *DO NOT GREASE THIS O-RING*			
2 PC		O-E-3-904 O-RING	2 PCS		5104-7-1 PACKING RING
2 PCS		O-V-013 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
3 PCS		O-V-020 O-RING	1 PC		5107-27-3 TURBULENT MIXER
2 PCS		58694-1 FACE SEAL	1 PC		6705-1-1 PACKING BIT
2 PCS		58695-1 PLUG SEAL	2 PCS		02441-1 SEAL
4 PCS		5106-3-1 GUN BLOCK SEAL	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		5104-3-1 SECONDARY SEAL	2 PCS		04319 STAINLESS SPRING
2 PC		5104-26-1 FLUSH VALVE SEAL			




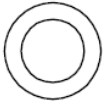

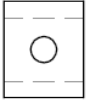



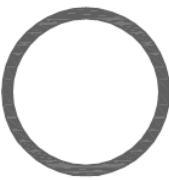







CPD-4000-RK
MAJOR REPAIR KIT — PRO DUO GUN

2 PC		O-E-007 O-RING			
2 PC		O-E-008 O-RING	4 PCS		7304-3-1 NYLON SEAL
2		*DO NOT GREASE THIS O-RING*			
2 PC		O-E-3-904 O-RING	2 PC		5104-21-1 SPLIT SEAL
2					
1 PC		O-D-010 O-RING	2 PCS		5104-7-1 PACKING RING
2					
2 PCS		O-U-011 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL SEAL
2					
2 PCS		O-U-109 O-RING			
2					
2 PCS		O-V-013 O-RING	1 PC		5107-27-3 TURBULENT MIXER
3					
3 PCS		O-V-020 O-RING	1 PC		6705-1-1 PACKING BIT
2					
2 PCS		58694-1 FACE SEAL	2 PCS		02441-1 SEAL 4"
2					
2 PCS		58695-1 PLUG SEAL	2 PCS		03199 STAINLESS BALL 1/4"
4					
4 PCS		5106-3-1 GUN BLOCK SEAL	2 PCS		04319 STAINLESS SPRING
2					
2 PCS		5104-3-1 SECONDARY SEAL			
2					
2 PC		5104-26-1 FLUSH VALVE SEAL			
6 PCS		7304-3-1 NYLON SEAL			



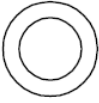







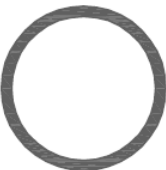





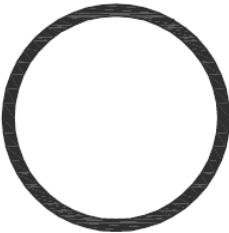

CPD-5000-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-E-007 O-RING	4 PCS		7304-3-1 NYLON SEAL
2 PC		O-E-008 O-RING *DO NOT GREASE THIS O-RING*			
2 PC		O-E-3-904 O-RING	2 PC		5104-21-1 SPLIT SEAL
1 PC		O-D-010 O-RING	2 PCS		5104-7-1 PACKING RING
2 PCS		O-U-011 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
2 PCS		O-U-109 O-RING			
2 PCS		O-V-013 O-RING	1 PC		6705-1-1 PACKING BIT
3 PCS		O-V-020 O-RING	2 PCS		02441-1 SEAL
2 PCS		58694-1 FACE SEAL	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		58695-1 PLUG SEAL	2 PCS		04319 STAINLESS SPRING
4 PCS		5106-3-1 GUN BLOCK SEAL			
2 PCS		5104-3-1 SECONDARY SEAL			
2 PC		5104-26-1 FLUSH VALVE SEAL			






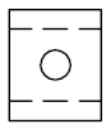

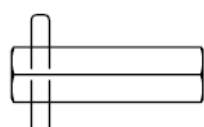








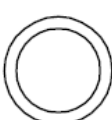
CPD-5000-SILO-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-E-3-904 O-RING		
1 PC		O-D-010 O-RING		
2 PCS		O-S-012 O-RING	2 PCS	 5104-7-1 PACKING RING
2 PCS		O-U-011 O-RING	2 PC	 5104-5-1 TEFLON RESIN SEAL
2 PCS		O-U-109 O-RING		
2 PCS		O-V-013 O-RING	1 PC	 6705-1-1 PACKING BIT
3 PCS		O-V-020 O-RING	2 PCS	 02441-1 SEAL
2 PCS		58694-1 FACE SEAL	2 PCS	 03199 STAINLESS BALL 1/4"
2 PCS		58695-1 PLUG SEAL	2 PCS	 04319 STAINLESS SPRING
4 PCS		5106-3-1 GUN BLOCK SEAL		
2 PCS		5104-3-1 SECONDARY SEAL		











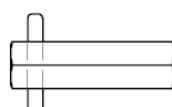
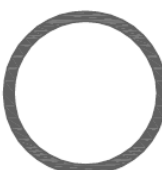








CPD-5000-SNZ-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PCS		O-E-012 O-RING (REPLACES BLACK O-RING ON F-SP-07F PLUG)			
2 PC		O-E-3-904 O-RING	2 PCS		5104-7-1 PACKING RING
1 PC		O-D-010 O-RING			
2 PCS		O-U-011 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
2 PCS		O-U-109 O-RING	1 PC		6705-1-1 PACKING BIT
2 PCS		O-V-013 O-RING	2 PCS		02441-1 SEAL
3 PCS		O-V-020 O-RING	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		58694-1 FACE SEAL	2 PCS		04319 STAINLESS SPRING
2 PCS		58695-1 PLUG SEAL			
4 PCS		5106-3-1 GUN BLOCK SEAL	1 PC		O-E-026 O-RING
2 PCS		5104-3-1 SECONDARY SEAL			






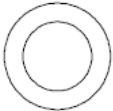
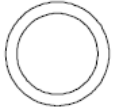

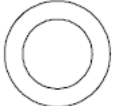




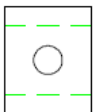
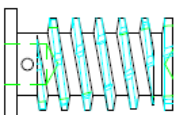
CPD-6000-A-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-E-007 O-RING	2 PC		5104-21-1 SPLIT SEAL
2 PC		O-E-008 O-RING *DO NOT GREASE THIS O-RING*	2 PCS		5104-7-1 PACKING RING
2 PC		O-E-3-904 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
2 PCS		O-V-013 O-RING	1 PC		6705-1-1 PACKING BIT
3 PCS		O-V-020 O-RING	2 PCS		02441-1 SEAL
2 PCS		58694-1 FACE SEAL	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		58695-1 PLUG SEAL	2 PCS		04319 STAINLESS SPRING
4 PCS		5106-3-1 GUN BLOCK SEAL			
2 PCS		5104-3-1 SECONDARY SEAL			
2 PC		5104-26-1 FLUSH VALVE SEAL			














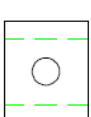
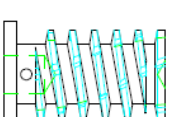
CPD-6000-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-E-007 O-RING		
2 PC		O-E-008 O-RING *DO NOT GREASE THIS O-RING*		
2 PC		O-E-3-904 O-RING	2 PC	 5104-21-1 SPLIT SEAL
1 PC		O-D-010 O-RING	2 PCS	 5104-7-1 PACKING RING
2 PCS		O-U-011 O-RING	2 PC	 5104-5-1 TEFLON RESIN SEAL
2 PCS		O-U-109 O-RING		
2 PCS		O-V-013 O-RING	1 PC	 6705-1-1 PACKING BIT
3 PCS		O-V-020 O-RING	2 PCS	 02441-1 SEAL
2 PCS		58694-1 FACE SEAL	2 PCS	 03199 STAINLESS BALL 1/4"
2 PCS		58695-1 PLUG SEAL	2 PCS	 04319 STAINLESS SPRING
4 PCS		5106-3-1 GUN BLOCK SEAL		
2 PCS		5104-3-1 SECONDARY SEAL		
2 PC		5104-26-1 FLUSH VALVE SEAL		

58744-1
MAJOR REPAIR KIT — 1:1 PRO GUN

2 PCS		0-E-007 O-RING
2 PCS		0-E-008 O-RING
2 PCS		0-E-3-904 O-RING
2 PCS		7304-3-1 NYLON SEAL
4 PCS		5106-3-1 GUN BLOCK SEAL
2 PCS		5104-3-1 SECONDARY SEAL
2 PCS		5104-26-1 FLUSH VALVE SEAL
2 PCS		5104-21-1 SPLIT SEAL
2 PCS		5104-7-1 PACKING RING
2 PCS		58695-1 PLUG SEAL
2 PCS		58694-1 CHECK FACE SEAL
2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		04319 STAINLESS SPRING
2 PCS		5104-5-1 TEFLON RESIN SEAL
1 PC		5107-27-2 CRITICAL MIXER

58744-1-INT
 MAJOR REPAIR KIT —
 1:1 PRO GUN INTERNATIONAL

2 PCS		O-A-007 O-RING
2 PCS		O-E-008 O-RING
2 PCS		7301-14-904 O-RING
2 PCS		7304-3-1 NYLON SEAL
4 PCS		5106-3-1 GUN BLOCK SEAL
2 PCS		5104-3-1 SECONDARY SEAL
2 PCS		5104-26-1 FLUSH VALVE SEAL
2 PCS		5104-21-1 SPLIT SEAL
2 PCS		5104-7-1 PACKING RING
2 PCS		58695-1 PLUG SEAL
2 PCS		58694-1 CHECK FACE SEAL
2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		04319 STAINLESS SPRING
2 PCS		5104-5-1 TEFLON RESIN SEAL
1 PC		5107-27-2 CRITICAL MIXER



Revision Information:

- Rev. 6/2009** Document was created
- Rev. 12/2010** Updated document format and parts drawings. Added the gun assemblies and component covered in the manual to the introduction. Also Included are the auto / manual flush valve in the assembly procedures.
- Rev. 02/2011** Added the Innovator Recirculation Gun drawing information PRTM-RG-1000-A Recirculation Gun, PRTM-RG-1100 Recirculation Gun Block & PRTM-RG-1200 Actuator assembly. Updated the Classic Pro Gun handle assembly drawings.
- Rev. 06/2011** Changed the reference for the Spool O-ring back to O-U-011 from O-U-012 on the Gun Handle. Updated the drawings to reflect the gun handle O-ring change. Added a reference to the Ratio Mix housing, under mix housing options.
- Rev: 05/2012** Updated the manual format and Address. Added the Terms & Conditions of Sale section to the manual.
- Rev: 03/2013** Updated CPD-6000 Gun Drawing. Updated the Terms & Conditions of Sale section.





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Assemblies Covered in this Manual:

CPD-4000	1:1 Pro Gun Assembly - Spray
CPD-4000-A	Auto 1:1 Pro Gun Assembly
PRTM-RG-1000-A	Pro Innovator Automatic Recirculation Gun
CPD-4000-A-INV	Innovator Automatic Recirculation Gun
CPD-5000	1:1 Pro Gun Assembly – Disposable Mixer
CPD-5000-A	Auto 1:1 Pro Gun Assembly – Disposable Mixer
CPD-5000-SILO	1:1 Pro Gun Assembly – Silicone
CPD-5000-SNZ	1:1 Pro Gun Assembly – Spatter Nozzle
CPD-6000	1:1 Pro Gun Assembly – Disposable Mixer – Solvent / Air Purge
CPD-6000-A	Auto 1:1 Pro Gun Assy – Disposable Mixer – Solvent / Air Purge

